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THE FRAMINGHAM STUDY

An Epidemiological Investigation
of
Cardiovascular Disease

Section 18

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Section 18. Incidence of Congestive Heart Failure by sex, age and level of characteristic at exam for 22 characteristics

A. 10-year age groups

B. 5-year age groups

Characteristics	Table Number
Alcohol Consumed	18-A- 1, 18-B- 1
Blood Pressure, First Examiner, Systolic	18-A- 2, 18-B- 2
Blood Pressure, First Examiner, Diastolic	18-A- 3, 18-B- 3
Blood Sugar	18-A- 4, 18-B- 4
Serum Cholesterol	18-A- 5, 18-B- 5
Cigarettes Smoked	18-A- 6, 18-B- 6
Framingham Relative Weight	18-A- 7, 18-B- 7
Hematocrit	18-A- 8, 18-B- 8
Hemoglobin	18-A- 9, 18-B- 9
Phospholipid	18-A-10, 18-B-10
Uric Acid	18-A-11, 18-B-11
Vital Capacity	18-A-12, 18-B-12
Weight	18-A-13, 18-B-13
Abnormal Electrocardiogram	18-A-14, 18-B-14
Left Ventricular Hypertrophy	18-A-15, 18-B-15
Nonspecific T-wave Abnormality by Electrocardiogram	18-A-16, 18-B-16
Smoking Now	18-A-17, 18-B-17
Urine Albumin	18-A-18, 18-B-18
Urine Sugar	18-A-19, 18-B-19
Generalized Cardiac Enlargement by X-ray	18-A-20, 18-B-20
Heart Enlargement by X-ray	18-A-21, 18-B-21
Left Ventricular Hypertrophy by X-ray	18-A-22, 18-B-22

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INTRODUCTION

The tables in Sections 9 through 22 present for the 14-year follow-up of the Framingham Study--by sex, age at Exam, and level of characteristic at Exam--the population at risk of an event and the incidence of that event. Tables numbered with the letter A show the data in ten-year age groups, for range 35 to 64 years; table numbered with the letter B show the data in five-year age groups, for range 29-74 years. The number preceding the letter, in the table number, designates a population table (Table 9-A or Table 9-B) or an incidence table (Tables 10-A to 22-A, or Tables 10-B to 22-B). The number following the letter designates the characteristic.

Within each section appear 22 tables for the characteristics:

-1 Alcohol Consumed
-2 Blood Pressure, First Examiner, Systolic
-3 Blood Pressure, First Examiner, Diastolic
-4 Blood Sugar
-5 Serum Cholesterol
-6 Cigarettes Smoked
-7 Framingham Relative Weight
-8 Hematocrit
-9 Hemoglobin
-10 Phospholipid
-11 Uric Acid
-12 Vital Capacity
-13 Weight
-14 Abnormal Electrocardiogram
-15 Left Ventricular Hypertrophy
-16 Nonspecific T-wave Abnormality by Electrocardiogram
-17 Smoking Now
-18 Urine Albumin
-19 Urine Sugar
-20 Generalized Cardiac Enlargement by X-ray
-21 Heart Enlargement by X-ray
-22 Left Ventricular Hypertrophy by X-ray

See Section 3-Notes for a description of these characteristics. The levels shown for the characteristic in the stub of a table cover the range of the characteristic. Following the levels, "Unknown" means that the subject took the Exam but was not assigned a characteristic value, "No Exam" means that the subject did not take the Exam.

Section 9 shows the number of subjects at Exam

alive,
with coronary heart disease,
with cerebrovascular accident,
with intermittent claudication,
with congestive heart failure.

See Section 8-Criteria for diagnosis of a specified event. Prevalence of coronary heart disease at Exam is defined as the number of subjects alive at Exam with pre-existing coronary heart disease at Exam 1 or with definite coronary heart disease developed before Exam. Prevalence of cerebrovascular accident is the number of subjects alive at Exam with definite or doubtful CVA at Exam 1 or with definite CVA developed before Exam. Prevalence of intermittent claudication is the number of subjects alive at Exam with definite IC at Exam 1 or with definite IC developed before Exam. Prevalence of congestive heart failure is the number of subjects alive at Exam with definite or doubtful CHF at Exam 1 or with definite CHF developed before Exam.

Population at risk of developing a specified event may be determined by subtracting from the population alive at Exam the prevalence, as indicated in following comments relating to incidence of the event.

Sections 10 through 22 show data for incidence of 13 events:

Table 10- Coronary Heart Disease
Table 11- Myocardial Infarction
Table 12- Angina Pectoris Uncomplicated

Table 13- Sudden Death from Coronary Heart Disease
Table 14- Non-Sudden Death from Coronary Heart Disease
Table 15- Cerebrovascular Accident
Table 16- Brain Infarction
Table 17- Intermittent Claudication
Table 18- Congestive Heart Failure
Table 19- Death
Table 20- Death from Coronary Heart Disease
Table 21- Death from Cardiovascular Disease other than CHD
Table 22- Death from Cause other than Cardiovascular Disease

See Section 8-Criteria for diagnosis of specified event. Note that the event angina pectoris uncomplicated is the occurrence of definite angina pectoris in an Exam interval without definite myocardial infarction or definite coronary insufficiency occurring before or in the same Exam interval.

An incidence table shows:

1) Number of subjects in population at risk at Exam who develop the event in the interval from Exam to end of follow-up.--

Subjects with pre-existing CHD at Exam 1 or with definite CHD developed before Exam are excluded from the population at risk where the event is CHD or one of its four manifestations listed above (Table 10- through Table 14-). Subjects with definite or doubtful CVA at Exam 1 or with definite CVA developed before Exam are excluded from the population at risk where the event is cerebrovascular accident (Table 15-) or brain infarction (Table 16-). Subjects with definite intermittent claudication at Exam 1 or developed before Exam are excluded from the population at risk of intermittent claudication (Table 17-). Subjects with definite or doubtful congestive heart failure at Exam 1 or with definite congestive heart failure developed before Exam are excluded from the population at risk of CHF (Table 18-). All subjects alive at Exam are

included in the population at risk of death (Tables 19- through 22-).

Note that some columns are blank for "incidence in interval after Exam" for age groups 29-34, 35-39, 65-69, and 70-74. This is done because no subjects in these age groups were alive at that particular Exam.

2) Number of subjects defined as above per 1,000 population at risk at Exam.--

Note that some columns are blank for "incidence rate per 1,000 in interval after Exam" for age groups 29-34, 35-39, 65-69, and 70-74. Here a blank column indicates that the number of subjects for both men and women is less than 50 alive at that particular Exam and in that age group. Whenever the population at risk is zero, asterisks are shown for the rate.

3) Average annual rate.--

A rate is formed by putting in the numerator the number of subjects in population at risk at Exam who develop the event in the interval from Exam to next Exam, summed over the first seven Exams, and putting in the denominator the population at risk at Exam, summed over the first seven Exams. To put the rate on an annual basis it is divided by two (since the Study subjects were examined biennially). If the event involves death (Tables 13-, 14-, 19-, 20-, 21-, 22-) population at risk at Exam 1 excludes volunteer subjects (since they had to take Exam 2 before being added to the Study). If the characteristic is missing from the Exam procedure (for example, Phospholipid at Exam 5 and at Exam 6) but is included in the procedure for an earlier Exam, a

subject in the population at risk at that Exam is assigned the characteristic value he had on the earlier Exam. Whenever the population at risk is zero, asterisks are shown for the rate.

4) Slope and standard error of slope.--

To afford a measure of the association between increased risk of the event and elevated levels of the characteristic, the linear discriminant function coefficient b is shown in the table along with its standard error. Coefficient b appears as the slope in the equation,

$$\ln(P/Q) = a + bX$$

where

P = risk function denoting the proportion of subjects at risk of event with characteristic value of X who develop the event within the interval

$Q = 1 - P$

X = known value of characteristic

$b = (m_1 - m_0)/s^2$

m_1 = mean value of characteristic for subjects who develop the event within the interval

m_0 = mean value of characteristic for subjects who do not develop the event within the interval

s^2 = pooled estimate of variance of characteristic

$= [\Sigma X_0^2 + \Sigma X_1^2 - (\Sigma X_0)^2/n_0 - (\Sigma X_1)^2/n_1]/(n_0 + n_1 - 2)$

n_1 = number of subjects who develop the event in the interval

n_0 = number of subjects who do not develop the event in the interval

$a = -\ln(n_0/n_1) - b[(m_0 + m_1)/2]$

(Reference: Cornfield, J.: Joint dependence of risk of coronary heart disease on serum cholesterol and systolic blood pressure: a discriminant function analysis, Federation Proceedings, Vol. 21, pages 58-61, 1962.)

Assumptions are involved in this model, namely that the characteristic has a normal frequency distribution in both the subjects who develop the event and the subjects who do not develop the event, and that the variances in these two groups are the same. None of the characteristics in the Study appearing as a continuous variable (for example, blood pressure) has a normal distribution; however, all but one are somewhat bell-shaped--the characteristic alcohol consumed has an L-shape distribution. Values have been assigned for the discrete variables. The levels are 0, 1, 2, and 3 for characteristic cigarettes smoked (-6); 0, 1, and 2 for characteristics -14, -15, -16, -18, -19, -20, -21, -22; 0 and 1 for characteristic smoking now (-17). Certainly none of these characteristics has a normal distribution.

The variance of the discriminant function coefficient b is estimated by

$$Var(b) = (1/n_0 + 1/n_1)/s^2$$

The standard error of b shown in the table is the square root of the estimated variance.

Slope and standard error are shown both for incidence from Exam to end of follow-up and for average incidence from Exam to next Exam. The group of subjects who develop the event in the interval is clearly distinct from the group of subjects who do not develop the event in the interval when the interval is between Exam and end of follow-up. But when the interval is between Exams and the seven intervals are summed the resulting groups may contain some of the same subjects. Because the observations are not independent, the standard error as computed is not precisely defined and should be considered as a first

approximation to a correct standard error for the average incidence.

Asterisks are shown for the slope and standard error when the number of subjects is less than three for either the group developing event or the group not developing event, or when the variance of characteristic is zero.

TABLE 18-A-1

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: ALCOHOL CONSUMED (OUNCES PER MONTH)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM																
TOTAL	11	6	6	2	1	1	0	TOTAL	13	7	7	3	2	3	0	4
NONE	0	0	0	0	0	0	0	NONE	****	0	****	0	****	****	0	0
000-009	0	2	0	1	0	0	0	000-009	****	8	****	4	****	****	0	9
010-019	0	0	0	0	0	0	0	010-019	****	0	****	0	****	****	0	0
020-029	0	0	0	0	0	0	0	020-029	****	0	****	0	****	****	0	0
030-039	0	0	0	0	0	0	0	030-039	****	0	****	0	****	****	0	25
040-049	0	0	0	0	0	0	0	040-049	****	0	****	0	****	****	0	0
050-059	0	1	0	0	0	0	0	050-059	****	38	****	0	****	****	0	0
060-069	0	0	0	0	0	0	0	060-069	****	0	****	0	****	****	0	0
070-079	0	1	0	0	0	0	0	070-079	****	62	****	0	****	****	0	0
080-372	0	0	0	0	0	0	0	080-372	****	0	****	0	****	****	0	0
UNKNOWN	11	0	4	0	1	1	0	SLOPE	******	0.005	******	******	******	******	******	-0.010
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	*****	0.013	*****	*****	*****	*****	*****	0.015
MEN AGED 45-54 AT EXAM																
TOTAL	25	19	16	13	11	3	0	TOTAL	34	25	22	17	14	4	0	16
NONE	0	4	0	3	0	0	0	NONE	****	29	****	24	****	****	0	7
000-009	0	6	0	3	0	0	0	000-009	****	29	****	15	****	****	0	12
010-019	0	2	0	0	0	0	0	010-019	****	26	****	0	****	****	0	10
020-029	0	0	0	1	0	0	0	020-029	****	0	****	22	****	****	0	0
030-039	0	2	0	1	0	0	0	030-039	****	31	****	18	****	****	0	14
040-049	0	1	0	1	0	0	0	040-049	****	29	****	24	****	****	0	21
050-059	0	1	0	0	0	0	0	050-059	****	34	****	0	****	****	0	0
060-069	0	1	0	0	0	0	0	060-069	****	42	****	0	****	****	0	25
070-079	0	0	0	0	0	0	0	070-079	****	0	****	0	****	****	0	0
080-372	0	1	0	3	0	0	0	080-372	****	20	****	42	****	****	0	38
UNKNOWN	25	0	15	0	10	2	0	SLOPE	******	-0.003	******	0.002	******	******	******	0.008
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	*****	0.007	*****	0.007	*****	*****	*****	0.008
MEN AGED 55-64 AT EXAM																
TOTAL	22	26	25	12	4	7	3	TOTAL	64	53	43	20	7	11	5	35
NONE	0	6	0	4	0	0	1	NONE	****	52	****	31	****	****	8	66
000-009	0	7	0	2	0	0	1	000-009	****	48	****	13	****	****	7	27
010-019	0	2	0	2	0	0	0	010-019	****	54	****	41	****	****	0	33
020-029	0	0	0	0	0	0	0	020-029	****	0	****	0	****	****	0	0
030-039	0	4	0	1	0	0	0	030-039	****	111	****	26	****	****	0	60
040-049	0	1	0	0	0	0	1	040-049	****	45	****	0	****	****	30	51
050-059	0	1	0	0	0	0	0	050-059	****	83	****	0	****	****	0	69
060-069	0	0	0	0	0	0	0	060-069	****	0	****	0	****	****	0	0
070-079	0	0	0	0	0	0	0	070-079	****	0	****	0	****	****	0	0
080-372	0	4	0	2	0	0	0	080-372	****	114	****	65	****	****	0	40
UNKNOWN	22	0	23	0	4	6	0	SLOPE	******	0.005	******	-0.000	******	******	-0.011	-0.003
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	*****	0.005	*****	0.009	*****	*****	0.017	0.005

TABLE 18-A-1

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: ALCOHOL CONSUMED (OUNCES PER MONTH)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM																
TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
NONE	0	2	0	0	0	0	0	NONE	****	6	****	0	****	****	0	4
000-009	0	1	0	2	0	0	0	000-009	****	2	****	6	****	****	0	6
010-019	0	1	0	0	0	0	0	010-019	****	10	****	0	****	****	0	0
020-029	0	0	0	1	0	0	0	020-029	****	0	****	25	****	****	0	23
030-039	0	0	0	0	0	0	0	030-039	****	0	****	0	****	****	0	0
040-049	0	0	0	0	0	0	0	040-049	****	0	****	0	****	****	0	0
050-059	0	0	0	0	0	0	0	050-059	****	0	****	0	****	****	0	0
060-069	0	0	0	0	0	0	0	060-069	****	0	****	0	****	****	0	0
070-079	0	0	0	0	0	0	0	070-079	****	0	****	0	****	****	0	0
080-372	0	0	0	0	0	0	0	080-372	****	0	****	0	****	****	0	0
UNKNOWN	7	0	5	0	1	0	0	SLOPE	******	-0.019	******	0.000	******	******	******	-0.006
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	*****	0.028	*****	0.031	*****	*****	*****	0.027
WOMEN AGED 45-54 AT EXAM																
TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
NONE	0	6	0	3	0	0	0	NONE	****	16	****	9	****	****	0	5
000-009	0	4	0	1	0	0	0	000-009	****	13	****	3	****	****	0	7
010-019	0	0	0	0	0	0	0	010-019	****	0	****	0	****	****	0	0
020-029	0	0	0	0	0	0	0	020-029	****	0	****	0	****	****	0	0
030-039	0	1	0	0	0	0	0	030-039	****	32	****	0	****	****	0	0
040-049	0	1	0	0	0	0	0	040-049	****	67	****	0	****	****	0	0
050-059	0	0	0	0	0	0	0	050-059	****	0	****	0	****	****	0	0
060-069	0	0	0	0	0	0	0	060-069	****	0	****	0	****	****	0	0
070-079	0	0	0	0	0	0	0	070-079	****	0	****	0	****	****	0	0
080-372	0	0	0	0	0	0	0	080-372	****	0	****	0	****	****	0	0
UNKNOWN	20	0	6	0	2	2	0	SLOPE	******	0.004	******	-0.021	******	******	******	-0.019
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	*****	0.021	*****	0.026	*****	*****	*****	0.025
WOMEN AGED 55-64 AT EXAM																
TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
NONE	0	19	0	10	0	0	1	NONE	****	62	****	27	****	****	3	29
000-009	0	5	0	7	0	0	2	000-009	****	27	****	32	****	****	7	18
010-019	0	0	0	0	0	0	0	010-019	****	0	****	0	****	****	0	0
020-029	0	2	0	1	0	0	0	020-029	****	100	****	38	****	****	0	98
030-039	0	0	0	0	0	0	1	030-039	****	0	****	0	****	****	22	29
040-049	0	0	0	0	0	0	0	040-049	****	0	****	0	****	****	0	0
050-059	0	0	0	0	0	0	0	050-059	****	0	****	0	****	****	0	0
060-069	0	1	0	0	0	0	0	060-069	****	1000	****	0	****	****	0	0
070-079	0	0	0	0	0	0	0	070-079	****	0	****	0	****	****	0	0
080-372	0	0	0	0	0	0	0	080-372	****	0	****	0	****	****	0	0
UNKNOWN	18	0	24	1	13	8	0	SLOPE	******	-0.005	******	-0.017	******	******	-0.004	-0.007
NO EXAM	0	0	2	3	2	1	0	STD.ERROR	*****	0.013	*****	0.017	*****	*****	0.025	0.014

TABLE 18-A-2

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD PRESSURE, FIRST EXAMINER, SYSTOLIC (MM HG)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM																
TOTAL	11	6	6	2	1	1	0	TOTAL	13	7	7	3	2	3	0	4
080-109	0	0	0	0	0	0	0	080-109	0	0	0	0	0	0	0	0
110-119	0	0	1	1	0	0	0	110-119	0	0	6	7	0	0	0	0
120-129	0	1	1	0	1	0	0	120-129	0	5	5	0	8	0	0	0
130-139	1	1	0	0	0	1	0	130-139	4	5	0	0	0	12	0	5
140-149	3	0	0	0	0	0	0	140-149	19	0	0	0	0	0	0	9
150-159	3	0	0	0	0	0	0	150-159	54	0	0	0	0	0	0	0
160-169	1	0	0	0	0	0	0	160-169	24	0	0	0	0	0	0	0
170-179	1	1	2	0	0	0	0	170-179	42	91	250	0	0	0	0	77
180-189	1	0	0	0	0	0	0	180-189	143	0	0	0	0	0	0	0
190-300	1	1	0	0	0	0	0	190-300	125	200	0	0	0	0	****	250
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.088	0.122	0.071	******	******	******	******	0.128
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.018	0.031	0.032	*****	*****	*****	*****	0.030
MEN AGED 45-54 AT EXAM																
TOTAL	25	19	16	13	11	3	0	TOTAL	34	25	22	17	14	4	0	16
080-109	0	1	2	1	0	0	0	080-109	0	21	42	20	0	0	0	0
110-119	3	0	0	0	0	0	0	110-119	35	0	0	0	0	0	0	0
120-129	3	2	2	1	1	1	0	120-129	20	13	14	7	7	7	0	5
130-139	2	3	0	1	2	0	0	130-139	14	19	0	6	13	0	0	0
140-149	3	3	3	3	1	0	0	140-149	24	32	35	32	10	0	0	14
150-159	1	1	3	0	1	1	0	150-159	13	19	62	0	16	12	0	57
160-169	6	4	2	5	2	0	0	160-169	111	143	74	179	53	0	0	106
170-179	1	0	0	0	0	0	0	170-179	33	0	0	0	0	0	0	0
180-189	1	0	2	1	1	0	0	180-189	56	0	333	77	71	0	0	62
190-300	5	4	1	0	2	0	0	190-300	200	286	111	0	222	0	0	174
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.039	0.062	0.044	0.040	0.071	******	******	0.077
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.009	0.012	0.014	0.015	0.016	*****	*****	0.012
MEN AGED 55-64 AT EXAM																
TOTAL	22	26	25	12	4	7	3	TOTAL	64	53	43	20	7	11	5	35
080-109	1	1	2	0	1	1	1	080-109	100	43	48	0	32	30	36	49
110-119	1	3	0	1	0	1	0	110-119	42	57	0	14	0	16	0	24
120-129	3	4	6	1	0	0	0	120-129	57	51	61	10	0	0	0	24
130-139	4	1	1	0	1	0	1	130-139	61	10	10	0	10	0	8	15
140-149	2	2	2	1	0	1	0	140-149	33	31	35	14	0	11	0	29
150-159	1	4	3	1	1	1	0	150-159	20	91	61	19	21	17	0	14
160-169	3	1	3	0	0	0	0	160-169	120	29	94	0	0	0	0	41
170-179	2	1	1	3	0	0	0	170-179	87	56	67	88	0	0	0	29
180-189	0	2	1	1	0	0	0	180-189	0	182	71	67	0	0	0	49
190-300	5	6	4	3	1	2	1	190-300	227	194	154	167	45	118	48	223
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.021	0.025	0.025	0.056	0.017	0.030	0.013	0.029
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.008	0.008	0.008	0.013	0.021	0.018	0.025	0.008

TABLE 18-A-2

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD PRESSURE, FIRST EXAMINER, SYSTOLIC (MM HG)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM															
TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
080-109	3	2	2	1	0	0	0	080-109	29	10	9	6	0	0	0	11
110-119	1	2	2	1	0	0	0	110-119	4	7	7	4	0	0	0	0
120-129	0	0	0	0	1	0	0	120-129	0	0	0	0	8	0	0	4
130-139	1	0	0	0	0	0	0	130-139	5	0	0	0	0	0	0	0
140-149	2	0	0	0	0	0	0	140-149	17	0	0	0	0	0	0	0
150-159	0	0	0	1	0	0	0	150-159	0	0	0	34	0	0	0	25
160-169	0	0	1	0	0	0	0	160-169	0	0	125	0	0	0	****	0
170-179	0	0	0	0	0	0	0	170-179	0	0	0	0	0	0	****	0
180-189	0	0	0	0	0	0	0	180-189	0	0	****	0	0	0	0	0
190-300	0	0	0	0	0	0	0	190-300	0	0	0	0	****	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.028	-0.052	-0.000	-0.005	******	******	******	-0.011
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.021	0.029	0.028	0.034	*****	*****	*****	0.029
WOMEN AGED 45-54 AT EXAM															
TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
080-109	0	0	1	0	0	0	0	080-109	0	0	10	0	0	0	0	0
110-119	0	2	0	0	0	0	0	110-119	0	16	0	0	0	0	0	0
120-129	2	0	0	0	1	1	0	120-129	14	0	0	0	6	5	0	4
130-139	2	1	3	2	1	0	0	130-139	11	6	21	12	6	0	0	8
140-149	3	2	0	1	0	1	0	140-149	22	17	0	9	0	10	0	6
150-159	2	2	0	1	0	0	0	150-159	18	23	0	14	0	0	0	0
160-169	1	1	0	0	0	0	0	160-169	13	16	0	0	0	0	0	0
170-179	3	1	1	0	0	0	0	170-179	56	33	29	0	0	0	0	0
180-189	1	2	1	0	0	0	0	180-189	24	71	67	0	0	0	0	33
190-300	6	1	0	0	0	0	0	190-300	118	31	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.034	0.029	0.016	0.019	******	******	******	0.015
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.008	0.012	0.018	0.022	*****	*****	*****	0.019
WOMEN AGED 55-64 AT EXAM															
TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
080-109	0	0	0	0	0	0	0	080-109	0	0	0	0	0	0	0	0
110-119	0	0	0	0	0	0	0	110-119	0	0	0	0	0	0	0	0
120-129	1	1	0	0	1	0	0	120-129	25	16	0	0	11	0	0	17
130-139	1	5	4	1	1	0	0	130-139	15	62	35	9	8	0	0	19
140-149	0	1	4	5	0	0	0	140-149	0	13	53	51	0	0	0	16
150-159	2	2	0	2	2	1	1	150-159	30	21	0	20	24	11	8	8
160-169	4	6	3	1	3	0	0	160-169	91	88	56	15	38	0	0	22
170-179	5	1	6	2	1	2	1	170-179	111	22	122	41	18	41	23	45
180-189	2	5	3	3	2	1	0	180-189	77	152	81	77	53	24	0	61
190-300	3	6	4	5	3	4	2	190-300	53	109	80	86	57	125	48	101
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.020	0.027	0.034	0.035	0.032	0.067	0.083	0.038
NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.008	0.007	0.007	0.008	0.011	0.015	0.021	0.008

TABLE 18-A-3

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD PRESSURE, FIRST EXAMINER, DIASTOLIC (MM HG)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM															
TOTAL	11	6	6	2	1	1	0	13	7	7	3	2	3	0	4
020-069	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
070-074	1	0	1	1	0	0	0	9	0	8	10	0	0	0	0
075-079	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
080-084	2	1	0	0	1	0	0	10	5	0	0	7	0	0	0
085-089	0	1	1	0	0	0	0	0	10	8	0	0	0	0	0
090-094	1	0	0	0	0	0	0	6	0	0	0	0	0	0	0
095-099	0	0	0	0	0	1	0	0	0	0	0	0	48	0	20
100-104	3	1	0	0	0	0	0	48	34	0	0	0	0	0	24
105-109	1	0	1	0	0	0	0	91	0	71	0	0	0	0	0
110-160	3	1	1	0	0	0	0	75	62	111	0	0	0	0	109
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.097	0.103	0.117	******	******	******	0.184
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.026	0.044	0.045	*****	*****	*****	0.044
MEN AGED 45-54 AT EXAM															
TOTAL	25	19	16	13	11	3	0	34	25	22	17	14	4	0	16
020-069	0	2	3	2	2	0	0	0	35	53	38	49	0	0	33
070-074	4	0	0	0	0	0	0	57	0	0	0	0	0	0	0
075-079	3	0	0	0	0	0	0	51	0	0	0	0	0	0	10
080-084	2	4	3	2	1	1	0	11	29	25	15	5	6	0	4
085-089	1	1	1	2	1	0	0	13	10	11	18	11	0	0	0
090-094	3	2	0	1	1	0	0	23	21	0	10	10	0	0	7
095-099	0	3	3	1	1	0	0	0	57	58	25	21	0	0	29
100-104	6	3	2	0	1	1	0	85	60	77	0	19	18	0	60
105-109	1	1	3	2	1	0	0	43	67	187	87	56	0	0	127
110-160	5	2	0	2	2	0	0	109	83	0	80	133	0	0	82
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.044	0.054	0.029	0.032	0.028	******	0.066
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.016	0.020	0.022	0.024	0.028	*****	0.020
MEN AGED 55-64 AT EXAM															
TOTAL	22	26	25	12	4	7	3	64	53	43	20	7	11	5	35
020-069	0	2	1	0	1	3	0	0	49	19	0	26	81	0	54
070-074	3	1	2	2	0	0	0	88	16	24	28	0	0	0	22
075-079	2	2	2	0	1	0	0	50	33	32	0	18	0	0	13
080-084	4	4	4	1	0	1	1	55	48	38	9	0	7	8	33
085-089	2	0	2	0	0	0	1	56	0	33	0	0	0	13	12
090-094	1	4	2	2	1	0	0	18	59	43	32	14	0	0	22
095-099	0	4	3	1	0	1	0	0	133	88	29	0	33	0	67
100-104	5	1	1	1	0	0	0	185	33	56	30	0	0	0	21
105-109	0	2	2	1	0	0	0	0	200	118	71	0	0	0	64
110-160	5	5	4	3	1	1	1	167	172	154	103	50	42	29	130
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.041	0.050	0.046	0.073	0.001	-0.062	0.084	0.029
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.016	0.015	0.015	0.023	0.040	0.034	0.047	0.016

TABLE 18-A-3

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD PRESSURE, FIRST EXAMINER, DIASTOLIC (MM HG)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM																
TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
020-069	3	3	2	1	0	0	0	020-069	29	16	10	6	0	0	0	6
070-074	0	1	1	1	1	0	0	070-074	0	4	4	6	7	0	0	9
075-079	2	0	0	0	0	0	0	075-079	15	0	0	0	0	0	0	0
080-084	0	0	1	0	0	0	0	080-084	0	0	7	0	0	0	0	0
085-089	1	0	1	0	0	0	0	085-089	10	0	13	0	0	0	0	0
090-094	1	0	0	0	0	0	0	090-094	7	0	0	0	0	0	0	0
095-099	0	0	0	0	0	0	0	095-099	0	0	0	0	0	0	0	0
100-104	0	0	0	1	0	0	0	100-104	0	0	0	59	0	0	0	38
105-109	0	0	0	0	0	0	0	105-109	0	0	0	0	0	0	0	0
110-160	0	0	0	0	0	0	0	110-160	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.067	-0.114	-0.021	-0.015	******	******	******	-0.023
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.033	0.045	0.042	0.053	*****	*****	*****	0.045
WOMEN AGED 45-54 AT EXAM																
TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
020-069	0	0	2	0	0	0	0	020-069	0	0	23	0	0	0	0	0
070-074	2	2	0	0	1	0	0	070-074	27	17	0	0	6	0	0	0
075-079	2	0	0	1	0	0	0	075-079	24	0	0	10	0	0	0	0
080-084	2	2	2	1	0	1	0	080-084	11	11	11	5	0	4	0	10
085-089	2	0	0	0	0	0	0	085-089	20	0	0	0	0	0	0	0
090-094	1	3	0	0	1	1	0	090-094	6	26	0	0	9	9	0	13
095-099	2	0	1	2	0	0	0	095-099	28	0	18	51	0	0	0	0
100-104	3	1	0	0	0	0	0	100-104	39	22	0	0	0	0	0	0
105-109	0	2	0	0	0	0	0	105-109	0	83	0	0	0	0	0	0
110-160	6	2	1	0	0	0	0	110-160	83	39	33	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.054	0.053	0.012	0.032	******	******	******	0.016
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.017	0.022	0.033	0.039	*****	*****	*****	0.035
WOMEN AGED 55-64 AT EXAM																
TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
020-069	1	2	1	1	0	0	0	020-069	77	65	20	18	0	0	0	34
070-074	1	3	1	0	0	0	0	070-074	29	48	14	0	0	0	0	0
075-079	0	0	2	1	1	0	0	075-079	0	0	28	14	16	0	0	13
080-084	2	2	2	3	3	2	0	080-084	27	19	15	21	18	11	0	5
085-089	0	2	3	3	1	0	0	085-089	0	29	34	31	10	0	0	17
090-094	6	3	4	1	2	2	1	090-094	73	36	45	9	17	19	7	28
095-099	2	1	3	0	2	0	1	095-099	57	20	61	0	42	0	26	32
100-104	2	8	1	2	0	1	0	100-104	39	167	32	37	0	21	0	44
105-109	1	0	2	1	0	0	0	105-109	83	0	95	48	0	0	0	0
110-160	3	6	5	7	4	3	2	110-160	58	143	152	167	100	94	59	145
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.031	0.039	0.061	0.070	0.062	0.089	0.161	0.072
NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.016	0.014	0.016	0.018	0.022	0.028	0.042	0.016

TABLE 18-A-4

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD SUGAR (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM															
TOTAL	11	6	6	2	1	1	0	13	7	7	3	2	3	0	4
030-059	0	0	0	0	0	0	0	0	0	0	0	****	0	****	0
060-069	0	0	0	0	0	0	0	0	0	0	0	****	0	****	0
070-079	2	1	2	0	0	1	0	9	3	8	0	****	10	****	4
080-089	2	1	1	0	0	0	0	11	5	6	0	****	0	****	0
090-099	2	0	0	1	0	0	0	28	0	0	19	****	0	****	0
100-109	1	0	0	0	0	0	0	33	0	0	0	****	0	****	0
110-119	0	0	0	0	0	0	0	0	0	0	0	****	0	****	0
120-129	0	0	0	0	0	0	0	0	0	0	0	****	0	****	0
130-139	0	0	0	0	0	0	0	0	0	0	****	****	0	****	0
140-524	0	1	0	0	0	0	0	0	200	0	0	****	0	****	185
UNKNOWN	4	1	1	0	1	0	0	SLOPE	0.027	0.178	-0.027	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.023	0.041	0.037	*****	*****	*****	*****
MEN AGED 45-54 AT EXAM															
TOTAL	25	19	16	13	11	3	0	34	25	22	17	14	4	0	16
030-059	0	0	0	0	0	0	0	0	0	0	0	****	0	****	0
060-069	7	3	0	1	0	1	0	68	38	0	8	****	7	****	19
070-079	4	3	4	1	0	0	0	26	13	23	4	****	0	****	13
080-089	5	6	3	3	0	1	0	38	36	18	21	****	7	****	14
090-099	2	3	3	3	0	0	0	25	33	46	60	****	0	****	43
100-109	1	1	1	0	0	0	0	50	29	29	0	****	0	****	0
110-119	1	0	1	0	0	0	0	77	0	100	0	****	0	****	0
120-129	0	0	1	0	0	0	0	0	0	200	0	****	0	****	0
130-139	0	0	1	0	0	0	0	0	0	333	0	****	0	****	0
140-524	1	2	1	1	0	0	0	71	133	100	59	****	0	****	53
UNKNOWN	4	0	0	3	10	0	0	SLOPE	0.005	0.026	0.049	0.040	******	******	0.023
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.008	0.009	0.011	0.012	*****	*****	0.010
MEN AGED 55-64 AT EXAM															
TOTAL	22	26	25	12	4	7	3	64	53	43	20	7	11	5	35
030-059	1	1	0	0	0	0	0	125	111	0	0	****	0	****	0
060-069	2	6	1	1	0	1	0	51	95	16	14	****	11	****	20
070-079	5	6	7	3	0	0	0	55	45	53	19	****	0	****	25
080-089	5	6	7	4	0	1	0	69	52	59	32	****	9	****	45
090-099	3	2	2	1	0	1	0	79	41	27	19	****	18	****	41
100-109	2	2	1	0	0	2	0	167	91	37	0	****	111	****	62
110-119	0	1	0	0	0	0	0	0	56	0	0	****	0	****	51
120-129	0	0	1	0	0	0	0	0	0	83	0	****	0	****	0
130-139	0	0	0	0	0	0	0	0	0	0	0	****	0	****	0
140-524	1	1	2	1	0	0	0	100	71	167	77	****	0	****	118
UNKNOWN	3	0	2	1	4	1	3	SLOPE	0.003	0.002	0.017	0.030	******	0.022	******	0.037
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.008	0.007	0.008	0.010	*****	0.021	*****	0.008

TABLE 18-A-4

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD SUGAR (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM																
TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
030-059	0	0	0	0	0	0	0	030-059	0	0	0	0	****	0	****	0
060-069	0	1	0	0	0	0	0	060-069	0	6	0	0	****	0	****	0
070-079	2	0	1	1	0	0	0	070-079	7	0	4	3	****	0	****	3
080-089	1	1	1	0	0	0	0	080-089	4	4	4	0	****	0	****	4
090-099	0	1	0	0	0	0	0	090-099	0	9	0	0	****	0	****	0
100-109	0	0	0	0	0	0	0	100-109	0	0	0	0	****	0	****	0
110-119	0	0	0	0	0	0	0	110-119	0	0	0	0	****	0	****	0
120-129	0	1	0	0	0	0	0	120-129	0	167	0	0	****	0	****	0
130-139	0	0	0	0	0	0	0	130-139	0	0	0	0	****	****	****	0
140-524	1	0	1	1	0	0	0	140-524	250	0	200	333	****	0	****	227
UNKNOWN	3	0	2	1	1	0	0	SLOPE	0.222	0.065	0.290	******	******	******	******	0.397
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.032	0.038	0.036	*****	*****	*****	*****	0.038
WOMEN AGED 45-54 AT EXAM																
TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
030-059	0	0	0	0	0	0	0	030-059	0	0	0	0	****	0	****	0
060-069	1	0	0	0	0	0	0	060-069	12	0	0	0	****	0	****	0
070-079	2	2	3	1	0	0	0	070-079	12	8	11	4	****	0	****	3
080-089	6	6	1	0	0	0	0	080-089	31	23	5	0	****	0	****	0
090-099	3	0	1	1	0	0	0	090-099	35	0	11	15	****	0	****	0
100-109	2	2	0	0	0	0	0	100-109	43	48	0	0	****	0	****	0
110-119	1	1	0	0	0	0	0	110-119	71	50	0	0	****	0	****	0
120-129	0	0	0	0	0	0	0	120-129	0	0	0	0	****	0	****	0
130-139	0	0	1	0	0	0	0	130-139	0	0	333	0	****	0	****	357
140-524	1	1	0	0	0	0	0	140-524	111	83	0	0	****	0	****	86
UNKNOWN	4	0	0	2	2	2	0	SLOPE	0.024	0.058	0.016	******	******	******	******	0.175
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.013	0.017	0.020	*****	*****	*****	*****	0.031
WOMEN AGED 55-64 AT EXAM																
TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
030-059	0	0	0	0	0	0	0	030-059	0	0	0	0	****	0	****	0
060-069	1	4	2	1	0	0	0	060-069	29	78	40	12	****	0	****	20
070-079	5	5	5	4	0	4	0	070-079	53	34	32	19	****	19	****	36
080-089	1	4	5	5	0	0	0	080-089	11	27	29	29	****	0	****	5
090-099	2	5	5	3	0	1	0	090-099	36	57	69	39	****	15	****	30
100-109	0	3	1	1	0	1	0	100-109	0	86	24	33	****	33	****	47
110-119	0	1	1	2	0	0	0	110-119	0	111	71	111	****	0	****	56
120-129	1	2	1	0	0	1	0	120-129	167	167	100	0	****	71	****	69
130-139	0	0	0	0	0	0	0	130-139	0	0	0	0	****	0	****	0
140-524	1	3	4	1	0	0	0	140-524	77	214	222	83	****	0	****	48
UNKNOWN	7	0	0	2	13	1	4	SLOPE	0.002	0.017	0.029	0.043	******	0.006	******	0.008
NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.010	0.007	0.007	0.011	*****	0.014	*****	0.008

TABLE 18-A-5

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: SERUM CHOLESTEROL (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM															
TOTAL	11	6	6	2	1	1	0	13	7	7	3	2	3	0	4
096-189	0	2	1	0	0	0	0	0	13	7	0	0	0	0	8
190-204	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
205-219	1	0	0	0	0	0	0	17	0	0	0	0	0	0	0
220-234	2	0	1	0	0	0	0	19	0	9	0	0	0	0	9
235-249	1	0	0	1	1	0	0	20	0	0	11	20	0	0	0
250-264	0	1	1	0	0	0	0	0	15	15	0	0	0	0	0
265-279	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
280-294	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
295-309	0	0	1	0	0	0	0	0	0	53	0	0	0	0	0
310-1124	0	0	0	0	0	1	0	0	0	0	0	0	48	0	30
UNKNOWN	7	1	0	0	0	0	0	SLOPE	0.003	-0.009	0.008	******	******	******	0.018
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.011	0.013	0.011	*****	*****	*****	0.013
MEN AGED 45-54 AT EXAM															
TOTAL	25	19	16	13	11	3	0	34	25	22	17	14	4	0	16
096-189	3	2	2	1	0	0	0	39	23	29	16	0	0	0	22
190-204	1	0	0	1	1	0	0	17	0	0	17	15	0	0	0
205-219	1	3	3	1	1	1	0	20	29	25	9	10	11	0	22
220-234	3	3	1	3	3	1	0	44	25	10	27	28	9	0	7
235-249	4	4	4	0	2	0	0	80	43	52	0	21	0	0	24
250-264	0	3	2	1	0	0	0	0	43	26	11	0	0	0	9
265-279	0	1	0	2	1	0	0	0	22	0	33	15	0	0	26
280-294	4	1	1	2	0	0	0	148	27	42	65	0	0	0	19
295-309	0	0	2	1	1	0	0	0	0	125	53	43	0	0	30
310-1124	0	0	0	0	1	0	0	0	0	0	0	28	0	0	0
UNKNOWN	9	1	0	0	0	0	0	SLOPE	0.003	0.001	0.005	0.005	0.003	******	******	-0.001
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.006	0.006	0.007	0.008	0.007	*****	*****	0.006
MEN AGED 55-64 AT EXAM															
TOTAL	22	26	25	12	4	7	3	64	53	43	20	7	11	5	35
096-189	3	5	5	2	1	1	0	58	68	62	29	20	24	0	76
190-204	3	3	0	0	0	0	0	94	53	0	0	0	0	0	0
205-219	3	3	4	1	0	0	0	97	47	49	14	0	0	0	23
220-234	2	2	3	0	0	1	1	49	36	51	0	0	11	10	20
235-249	2	3	4	2	1	1	0	67	64	53	31	13	12	0	43
250-264	1	1	2	2	0	2	1	56	18	33	31	0	26	13	24
265-279	0	1	0	0	1	0	1	0	34	0	0	22	0	14	17
280-294	1	2	3	2	0	0	0	100	91	120	59	0	0	0	102
295-309	1	2	2	1	0	0	0	111	111	118	45	0	0	0	42
310-1124	1	2	0	0	1	1	0	143	154	0	0	34	36	0	35
UNKNOWN	5	1	0	1	0	0	0	SLOPE	0.002	0.005	0.002	0.005	0.002	-0.002	0.009	0.000
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.006	0.005	0.005	0.008	0.012	0.010	0.016	0.005

TABLE 18-A-5

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: SERUM CHOLESTEROL (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM															
TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
096-189	1	1	1	1	0	0	0	096-189	5	3	4	5	0	0	0	4
190-204	1	1	1	0	0	0	0	190-204	8	6	7	0	0	0	0	7
205-219	1	0	0	0	0	0	0	205-219	12	0	0	0	0	0	0	0
220-234	1	0	1	0	0	0	0	220-234	10	0	9	0	0	0	0	0
235-249	1	0	0	0	0	0	0	235-249	20	0	0	0	0	0	0	0
250-264	0	1	0	0	0	0	0	250-264	0	20	0	0	0	0	0	0
265-279	0	0	0	1	1	0	0	265-279	0	0	0	29	42	0	0	26
280-294	0	1	0	0	0	0	0	280-294	0	37	0	0	0	0	0	0
295-309	0	0	0	0	0	0	0	295-309	0	0	0	0	0	0	0	0
310-1124	0	0	0	0	0	0	0	310-1124	0	0	0	0	0	0	0	0
UNKNOWN	2	0	2	1	0	0	0	SLOPE	0.003	0.007	-0.007	******	******	******	******	0.002
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.012	0.013	0.015	*****	*****	*****	*****	0.015
WOMEN AGED 45-54 AT EXAM															
TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
096-189	2	2	1	1	1	1	0	096-189	27	22	12	16	19	20	0	32
190-204	0	2	0	0	0	0	0	190-204	0	23	0	0	0	0	0	0
205-219	3	1	1	0	0	0	0	205-219	55	9	11	0	0	0	0	0
220-234	3	3	0	1	1	0	0	220-234	36	23	0	8	8	0	0	0
235-249	1	1	3	0	0	0	0	235-249	24	10	27	0	0	0	0	7
250-264	0	2	1	0	0	0	0	250-264	0	27	12	0	0	0	0	0
265-279	1	1	0	0	0	0	0	265-279	24	15	0	0	0	0	0	0
280-294	1	0	0	0	0	0	0	280-294	32	0	0	0	0	0	0	0
295-309	0	0	0	0	0	0	0	295-309	0	0	0	0	0	0	0	0
310-1124	2	0	0	0	0	0	0	310-1124	53	0	0	0	0	0	0	0
UNKNOWN	7	0	0	2	0	1	0	SLOPE	0.000	-0.009	-0.005	******	******	******	******	-0.027
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.006	0.006	0.009	*****	*****	*****	*****	0.011
WOMEN AGED 55-64 AT EXAM															
TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
096-189	1	1	2	0	0	1	0	096-189	67	37	65	0	0	59	0	67
190-204	1	2	0	2	2	0	0	190-204	50	54	0	65	57	0	0	25
205-219	1	0	1	3	1	1	0	205-219	45	0	19	55	17	26	0	46
220-234	1	6	6	1	2	2	0	220-234	21	73	77	14	27	29	0	40
235-249	0	3	2	1	1	0	1	235-249	0	47	29	12	12	0	14	10
250-264	0	4	4	1	0	0	0	250-264	0	59	47	9	0	0	0	0
265-279	1	1	3	1	1	1	1	265-279	34	18	41	11	11	12	10	29
280-294	1	3	2	2	1	0	0	280-294	50	64	44	27	12	0	0	12
295-309	2	3	2	1	1	0	1	295-309	105	86	44	19	24	0	16	15
310-1124	0	4	2	5	3	3	1	310-1124	0	55	33	59	26	25	9	33
UNKNOWN	10	0	0	2	1	0	0	SLOPE	-0.002	0.002	-0.002	0.005	-0.001	0.001	0.019	-0.003
NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.008	0.004	0.005	0.006	0.006	0.008	0.011	0.005

TABLE 18-A-6

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: CIGARETTES SMOKED (NUMBER PER DAY)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM															
TOTAL	11	6	6	2	1	1	0	TOTAL 13	7	7	3	2	3	0	4
NONE	3	0	0	0	1	0	0	NONE 12	****	****	0	5	****	0	7
UNDER 20	1	0	0	0	0	0	0	UNDER 20 7	****	****	0	0	****	0	0
20	2	0	0	1	0	0	0	20 8	****	****	6	0	****	0	4
OVER 20	5	0	0	0	0	0	0	OVER 20 23	****	****	0	0	****	0	5
UNKNOWN	0	4	4	0	0	1	0	SLOPE 0.234	******	******	******	******	******	******	-0.159
NO EXAM	0	2	2	1	0	0	0	STD.ERROR 0.264	*****	*****	*****	*****	*****	*****	0.424
MEN AGED 45-54 AT EXAM															
TOTAL	25	19	16	13	11	3	0	TOTAL 34	25	22	17	14	4	0	16
NONE	6	0	0	3	2	0	0	NONE 22	****	****	12	7	****	0	18
UNDER 20	2	0	0	2	3	0	0	UNDER 20 17	****	****	21	28	****	0	20
20	10	0	0	4	4	0	0	20 58	****	****	22	22	****	0	16
OVER 20	6	0	0	3	1	0	0	OVER 20 39	****	****	22	7	****	0	13
UNKNOWN	1	18	15	0	0	2	0	SLOPE 0.285	******	******	0.209	0.090	******	******	-0.106
NO EXAM	0	1	1	1	1	1	0	STD.ERROR 0.175	*****	*****	0.248	0.271	*****	*****	0.203
MEN AGED 55-64 AT EXAM															
TOTAL	22	26	25	12	4	7	3	TOTAL 64	53	43	20	7	11	5	35
NONE	8	0	0	6	2	0	2	NONE 48	****	****	23	8	****	7	26
UNDER 20	6	0	0	1	0	0	0	UNDER 20 88	****	****	12	0	****	0	40
20	6	0	0	4	2	0	1	20 82	****	****	37	20	****	11	48
OVER 20	2	0	0	0	0	0	0	OVER 20 56	****	****	0	0	****	0	52
UNKNOWN	0	25	23	0	0	6	0	SLOPE 0.143	******	******	-0.108	0.059	******	-0.250	0.261
NO EXAM	0	1	2	1	0	1	0	STD.ERROR 0.208	*****	*****	0.279	0.464	*****	0.480	0.177

TABLE 18-A-6

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: CIGARETTES SMOKED (NUMBER PER DAY)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM															
TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
NONE	2	0	0	1	1	0	0	NONE	4	****	****	3	4	****	0	2
UNDER 20	5	0	0	2	0	0	0	UNDER 20	14	****	****	8	0	****	0	9
20	0	0	0	0	0	0	0	20	0	****	****	0	0	****	0	0
OVER 20	0	0	0	0	0	0	0	OVER 20	0	****	****	0	0	****	0	0
UNKNOWN	0	4	5	0	0	0	0	SLOPE	-0.025	******	******	-0.165	******	******	******	-0.063
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.446	*****	*****	0.637	*****	*****	*****	0.559
WOMEN AGED 45-54 AT EXAM															
TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
NONE	13	0	0	3	2	0	0	NONE	22	****	****	6	4	****	0	4
UNDER 20	5	0	0	1	0	0	0	UNDER 20	28	****	****	5	0	****	0	3
20	1	0	0	0	0	0	0	20	14	****	****	0	0	****	0	6
OVER 20	1	0	0	0	0	0	0	OVER 20	43	****	****	0	0	****	0	0
UNKNOWN	0	12	6	0	0	2	0	SLOPE	0.092	******	******	-0.474	******	******	******	-0.041
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.300	*****	*****	0.565	*****	*****	*****	0.510
WOMEN AGED 55-64 AT EXAM															
TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
NONE	14	0	0	13	8	0	2	NONE	40	****	****	24	15	****	4	22
UNDER 20	4	0	0	4	4	0	1	UNDER 20	63	****	****	37	31	****	9	33
20	0	0	0	0	1	0	0	20	0	****	****	0	18	****	0	16
OVER 20	0	0	0	0	0	0	1	OVER 20	0	****	****	0	0	****	26	39
UNKNOWN	0	27	24	2	0	8	0	SLOPE	-0.141	******	******	-0.251	0.141	******	0.740	0.144
NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.388	*****	*****	0.344	0.392	*****	0.590	0.293

TABLE 18-A-7

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: FRAMINGHAM RELATIVE WEIGHT (PERCENT)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM															
TOTAL	11	6	6	2	1	1	0	TOTAL	13	7	7	3	2	3	0	4
052-084	0	0	0	0	0	0	0	052-084	0	0	0	0	0	0	0	0
085-089	0	0	1	0	0	0	0	085-089	0	0	14	0	0	0	0	15
090-094	0	1	0	0	0	0	0	090-094	0	10	0	0	0	0	0	0
095-099	3	1	1	0	0	0	0	095-099	25	8	8	0	0	0	0	0
100-104	0	0	0	0	0	0	0	100-104	0	0	0	0	0	0	0	0
105-109	0	0	0	0	0	0	0	105-109	0	0	0	0	0	0	0	0
110-114	3	1	0	0	0	0	0	110-114	34	11	0	0	0	0	0	0
115-119	2	0	1	0	0	0	0	115-119	34	0	19	0	0	0	0	0
120-124	0	1	0	0	0	0	0	120-124	0	26	0	0	0	0	0	25
125-226	3	0	1	1	1	1	0	125-226	59	0	23	24	25	37	0	38
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.069	0.025	0.023	******	******	******	******	0.084
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.022	0.037	0.037	*****	*****	*****	*****	0.036
MEN AGED 45-54 AT EXAM															
TOTAL	25	19	16	13	11	3	0	TOTAL	34	25	22	17	14	4	0	16
052-084	0	0	0	1	1	0	0	052-084	0	0	0	18	18	0	0	0
085-089	2	1	0	0	0	0	0	085-089	39	22	0	0	0	0	0	14
090-094	5	3	3	1	1	0	0	090-094	49	40	42	15	15	0	0	18
095-099	3	2	3	1	1	0	0	095-099	31	18	38	12	9	0	0	22
100-104	4	1	1	2	1	0	0	100-104	36	10	10	18	9	0	0	20
105-109	4	3	1	0	0	0	0	105-109	33	30	11	0	0	0	0	21
110-114	3	0	2	2	2	2	0	110-114	44	0	29	24	24	24	0	9
115-119	1	2	3	3	1	0	0	115-119	19	39	57	53	17	0	0	13
120-124	1	2	0	1	2	0	0	120-124	43	74	0	24	50	0	0	22
125-226	2	4	2	1	1	0	0	125-226	49	125	59	29	24	0	0	35
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.011	0.049	0.028	0.028	0.027	******	******	0.016
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.016	0.018	0.020	0.022	0.024	*****	*****	0.018
MEN AGED 55-64 AT EXAM															
TOTAL	22	26	25	12	4	7	3	TOTAL	64	53	43	20	7	11	5	35
052-084	2	2	1	0	0	2	0	052-084	43	39	23	0	0	50	0	50
085-089	1	1	1	1	1	0	0	085-089	43	33	26	27	33	0	0	0
090-094	1	2	2	4	0	0	0	090-094	32	48	37	91	0	0	0	60
095-099	3	5	5	1	1	1	1	095-099	55	64	66	11	12	11	11	36
100-104	5	5	1	2	1	0	0	100-104	94	77	13	22	12	0	0	26
105-109	1	2	3	0	1	1	1	105-109	29	36	41	0	12	13	11	10
110-114	1	1	2	1	0	1	0	110-114	26	19	31	14	0	16	0	13
115-119	4	2	2	2	0	1	0	115-119	167	51	61	57	0	23	0	95
120-124	1	3	3	0	0	0	1	120-124	53	150	125	0	0	0	36	28
125-226	3	2	3	0	0	0	0	125-226	200	133	158	0	0	0	0	86
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.035	0.021	0.041	-0.012	-0.028	-0.027	0.035	0.014
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.015	0.015	0.016	0.025	0.041	0.033	0.046	0.016

TABLE 18-A-7

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: FRAMINGHAM RELATIVE WEIGHT (PERCENT)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM																
TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
052-084	3	1	0	0	0	0	0	052-084	15	6	0	0	0	0	0	0
085-089	0	1	1	0	0	0	0	085-089	0	7	8	0	0	0	0	0
090-094	1	2	3	1	0	0	0	090-094	7	12	21	7	0	0	0	13
095-099	0	0	0	1	1	0	0	095-099	0	0	0	8	10	0	0	7
100-104	1	0	0	0	0	0	0	100-104	8	0	0	0	0	0	0	0
105-109	0	0	0	0	0	0	0	105-109	0	0	0	0	0	0	0	0
110-114	0	0	0	0	0	0	0	110-114	0	0	0	0	0	0	0	0
115-119	1	0	0	0	0	0	0	115-119	22	0	0	0	0	0	0	0
120-124	0	0	0	0	0	0	0	120-124	0	0	0	0	0	0	0	0
125-226	1	0	1	1	0	0	0	125-226	10	0	16	15	0	0	0	13
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.001	-0.042	0.006	0.019	******	******	******	0.013
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.022	0.030	0.027	0.034	*****	*****	*****	0.030
WOMEN AGED 45-54 AT EXAM																
TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
052-084	1	1	0	0	0	0	0	052-084	15	13	0	0	0	0	0	0
085-089	0	0	0	0	0	0	0	085-089	0	0	0	0	0	0	0	0
090-094	1	0	0	0	0	1	0	090-094	12	0	0	0	0	8	0	7
095-099	0	2	1	1	2	0	0	095-099	0	18	8	8	14	0	0	0
100-104	2	1	1	1	0	0	0	100-104	16	9	10	10	0	0	0	0
105-109	1	0	1	0	0	0	0	105-109	10	0	11	0	0	0	0	0
110-114	0	1	0	1	0	0	0	110-114	0	12	0	13	0	0	0	0
115-119	6	2	1	0	0	0	0	115-119	95	31	20	0	0	0	0	28
120-124	1	0	0	0	0	0	0	120-124	19	0	0	0	0	0	0	0
125-226	7	4	2	1	0	0	0	125-226	58	41	23	13	0	0	0	8
UNKNOWN	1	1	0	0	0	1	0	SLOPE	0.066	0.023	0.033	0.033	******	******	******	0.030
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.013	0.017	0.024	0.029	*****	*****	*****	0.028
WOMEN AGED 55-64 AT EXAM																
TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
052-084	0	2	1	0	0	0	0	052-084	0	53	23	0	0	0	0	30
085-089	2	1	0	0	0	0	0	085-089	80	29	0	0	0	0	0	0
090-094	1	0	0	0	0	1	0	090-094	26	0	0	0	0	12	0	0
095-099	1	0	2	3	1	0	1	095-099	21	0	23	31	11	0	9	8
100-104	1	2	2	3	1	1	0	100-104	20	26	23	30	10	10	0	16
105-109	1	3	1	0	2	0	0	105-109	26	57	13	0	19	0	0	10
110-114	2	3	2	3	3	3	1	110-114	43	52	42	39	39	42	14	44
115-119	1	1	3	2	0	0	1	115-119	23	24	52	43	0	0	17	29
120-124	3	4	2	0	0	0	0	120-124	103	87	54	0	0	0	0	20
125-226	6	11	10	7	5	2	1	125-226	71	116	103	65	52	23	12	69
UNKNOWN	0	0	1	1	1	1	0	SLOPE	0.027	0.045	0.061	0.060	0.064	0.035	0.034	0.046
NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.012	0.011	0.012	0.014	0.016	0.022	0.029	0.012

TABLE 18-A-8

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEMATOCRIT (PERCENT)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM															
TOTAL	11	6	6	2	1	1	0	TOTAL	13	7	7	3	2	3	0	4
25-37	0	0	0	0	0	0	0	25-37	****	****	****	****	0	0	****	0
38-39	0	0	0	0	0	0	0	38-39	****	****	****	0	****	****	****	0
40-41	0	0	0	0	0	0	0	40-41	****	****	****	0	0	0	****	0
42-43	0	0	0	0	0	0	0	42-43	****	****	****	0	0	0	0	0
44-45	0	0	0	0	1	0	0	44-45	****	****	****	0	13	0	0	0
46-47	0	0	0	1	0	0	0	46-47	****	****	****	6	0	0	0	0
48-49	0	0	0	0	0	1	0	48-49	****	****	****	0	0	14	0	13
50-51	0	0	0	0	0	0	0	50-51	****	****	****	0	0	0	0	0
52-53	0	0	0	0	0	0	0	52-53	****	****	****	0	0	0	0	0
54-65	0	0	0	0	0	0	0	54-65	****	****	****	0	0	0	0	0
UNKNOWN	11	4	4	0	0	0	0	SLOPE	******	******	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	*****	*****	*****	*****	*****	*****	*****	*****
MEN AGED 45-54 AT EXAM															
TOTAL	25	19	16	13	11	3	0	TOTAL	34	25	22	17	14	4	0	16
25-37	0	0	0	0	0	0	0	25-37	****	****	****	0	****	****	****	0
38-39	0	0	0	0	0	0	0	38-39	****	****	****	0	****	0	0	0
40-41	0	0	0	1	1	0	0	40-41	****	****	****	77	71	0	0	0
42-43	0	0	0	0	1	0	0	42-43	****	****	****	0	37	0	0	39
44-45	0	0	0	4	5	0	0	44-45	****	****	****	22	38	0	0	29
46-47	0	0	0	3	0	2	0	46-47	****	****	****	20	0	12	0	8
48-49	0	0	0	2	1	0	0	48-49	****	****	****	19	6	0	0	17
50-51	0	0	0	1	2	0	0	50-51	****	****	****	11	15	0	0	10
52-53	0	0	0	1	0	0	0	52-53	****	****	****	38	0	0	0	0
54-65	0	0	0	0	0	0	0	54-65	****	****	****	0	0	0	0	0
UNKNOWN	25	18	15	0	0	0	0	SLOPE	******	******	******	-0.041	-0.261	******	******	-0.152
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	*****	*****	*****	0.098	0.108	*****	*****	0.111
MEN AGED 55-64 AT EXAM															
TOTAL	22	26	25	12	4	7	3	TOTAL	64	53	43	20	7	11	5	35
25-37	0	0	0	0	0	0	0	25-37	****	****	****	0	0	0	0	0
38-39	0	0	0	0	0	1	0	38-39	****	****	****	0	0	500	0	417
40-41	0	0	0	0	0	1	0	40-41	****	****	****	0	0	91	0	111
42-43	0	0	0	2	0	0	0	42-43	****	****	****	53	0	0	0	86
44-45	0	0	0	3	1	1	0	44-45	****	****	****	21	9	13	0	25
46-47	0	0	0	2	2	3	1	46-47	****	****	****	17	16	23	7	20
48-49	0	0	0	1	0	0	1	48-49	****	****	****	14	0	0	10	13
50-51	0	0	0	1	0	0	0	50-51	****	****	****	16	0	0	0	15
52-53	0	0	0	0	1	0	0	52-53	****	****	****	0	28	0	0	0
54-65	0	0	0	1	0	0	1	54-65	****	****	****	100	0	0	19	106
UNKNOWN	22	25	23	1	0	0	0	SLOPE	******	******	******	0.037	-0.004	-0.383	0.199	-0.078
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	*****	*****	*****	0.092	0.156	0.127	0.159	0.083

TABLE 18-A-8

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEMATOCRIT (PERCENT)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM															
TOTAL	7	5	5	3	1	0	0	6	4	5	3	1	0	0	4
25-37	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
38-39	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
40-41	0	0	0	1	0	0	0	****	****	****	6	0	0	0	0
42-43	0	0	0	0	1	0	0	****	****	****	0	6	0	0	11
44-45	0	0	0	1	0	0	0	****	****	****	6	0	0	0	10
46-47	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
48-49	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
50-51	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
52-53	0	0	0	0	0	0	0	****	****	****	****	****	0	0	0
54-65	0	0	0	0	0	0	0	****	****	****	****	****	****	0	0
UNKNOWN	7	4	5	1	0	0	0	SLOPE	******	******	******	******	******	******	******
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	*****	*****	*****	*****	*****	*****	*****
WOMEN AGED 45-54 AT EXAM															
TOTAL	20	12	7	4	2	2	0	23	13	7	4	2	2	0	4
25-37	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
38-39	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
40-41	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
42-43	0	0	0	1	0	0	0	****	****	****	5	0	0	0	0
44-45	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
46-47	0	0	0	1	2	0	0	****	****	****	16	17	0	0	0
48-49	0	0	0	0	0	1	0	****	****	****	0	0	19	0	25
50-51	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
52-53	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
54-65	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
UNKNOWN	20	12	6	2	0	1	0	SLOPE	******	******	******	******	******	******	******
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	*****	*****	*****	*****	*****	*****	*****
WOMEN AGED 55-64 AT EXAM															
TOTAL	18	27	26	22	15	9	4	41	44	36	27	18	11	5	25
25-37	0	0	0	1	0	0	0	****	****	****	100	0	0	0	0
38-39	0	0	0	1	0	0	0	****	****	****	32	0	0	0	0
40-41	0	0	0	1	2	2	0	****	****	****	7	20	26	0	13
42-43	0	0	0	2	0	1	1	****	****	****	13	0	9	10	19
44-45	0	0	0	6	4	1	1	****	****	****	28	18	5	5	18
46-47	0	0	0	3	4	2	0	****	****	****	57	40	18	0	36
48-49	0	0	0	2	2	1	1	****	****	****	83	44	17	14	50
50-51	0	0	0	0	0	1	1	****	****	****	0	0	34	26	101
52-53	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
54-65	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
UNKNOWN	18	27	24	3	1	0	0	SLOPE	******	******	******	0.094	0.154	0.035	0.137	0.182
NO EXAM	0	0	2	3	2	1	0	STD.ERROR	*****	*****	*****	0.087	0.096	0.118	0.154	0.089

TABLE 18-A-9

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEMOGLOBIN (DECIGRAMS PER 100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM															
TOTAL	11	6	6	2	1	1	0	TOTAL	13	7	7	3	2	3	0	4
068-119	0	0	0	0	0	0	0	068-119	0	0	0	0	0	0	****	0
120-124	0	0	0	0	0	0	0	120-124	0	0	0	0	0	0	****	0
125-129	0	1	0	0	0	0	0	125-129	0	18	0	0	0	0	****	0
130-134	1	0	0	0	0	0	0	130-134	16	0	0	0	0	0	****	0
135-139	1	0	1	0	0	0	0	135-139	11	0	11	0	0	0	****	13
140-144	2	1	1	0	1	0	0	140-144	19	7	9	0	19	0	****	0
145-149	0	1	1	1	0	1	0	145-149	0	10	6	6	0	16	****	14
150-154	0	0	0	0	0	0	0	150-154	0	0	0	0	0	0	****	0
155-159	0	0	1	0	0	0	0	155-159	0	0	12	0	0	0	****	0
160-216	0	0	0	0	0	0	0	160-216	0	0	0	0	0	0	****	0
UNKNOWN	7	1	0	0	0	0	0	SLOPE	-0.040	-0.022	0.019	******	******	******	******	-0.013
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.040	0.048	0.046	*****	*****	*****	*****	0.049
MEN AGED 45-54 AT EXAM															
TOTAL	25	19	16	13	11	3	0	TOTAL	34	25	22	17	14	4	0	16
068-119	0	3	0	0	0	0	0	068-119	0	111	0	0	0	0	****	0
120-124	0	1	0	1	1	0	0	120-124	0	24	0	125	333	0	****	51
125-129	3	1	0	0	0	0	0	125-129	150	25	0	0	0	0	****	44
130-134	1	1	4	1	3	0	0	130-134	24	10	54	20	107	0	****	15
135-139	6	3	1	1	1	0	0	135-139	91	33	14	13	19	0	****	11
140-144	1	2	1	1	2	1	0	140-144	13	17	9	9	23	11	****	22
145-149	2	2	3	4	0	0	0	145-149	38	21	28	25	0	0	****	19
150-154	2	1	2	0	1	0	0	150-154	43	12	28	0	7	0	****	14
155-159	1	2	3	3	0	1	0	155-159	32	50	52	32	0	8	****	9
160-216	0	2	1	1	2	0	0	160-216	0	50	22	18	16	0	****	7
UNKNOWN	9	0	0	0	0	0	0	SLOPE	-0.020	-0.009	0.018	-0.009	-0.081	******	******	-0.026
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.021	0.020	0.023	0.030	0.031	*****	*****	0.023
MEN AGED 55-64 AT EXAM															
TOTAL	22	26	25	12	4	7	3	TOTAL	64	53	43	20	7	11	5	35
068-119	2	2	0	0	0	0	0	068-119	91	80	0	0	0	****	****	0
120-124	0	1	1	0	0	1	0	120-124	0	43	48	0	0	125	****	63
125-129	0	1	1	0	0	0	0	125-129	0	32	38	0	0	0	****	0
130-134	4	0	2	3	0	1	0	130-134	121	0	50	67	0	45	****	135
135-139	3	7	2	0	0	0	0	135-139	86	101	27	0	0	0	****	15
140-144	3	2	5	2	1	0	0	140-144	61	24	64	20	11	0	****	9
145-149	0	6	6	2	1	3	0	145-149	0	130	64	17	9	33	****	61
150-154	3	2	3	0	1	0	0	150-154	115	43	54	0	12	0	****	29
155-159	1	4	2	1	1	1	0	155-159	83	160	49	18	13	12	****	26
160-216	0	0	1	2	0	0	0	160-216	0	0	28	56	0	0	****	13
UNKNOWN	6	0	0	1	0	0	3	SLOPE	-0.005	0.022	0.009	0.016	0.006	-0.073	******	-0.015
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.019	0.017	0.018	0.028	0.047	0.038	*****	0.017

TABLE 18-A-9

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEMOGLOBIN (DECIGRAMS PER 100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM															
TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
068-119	1	2	0	0	0	0	0	068-119	6	8	0	0	0	0	****	0
120-124	0	1	1	0	0	0	0	120-124	0	4	6	0	0	0	****	7
125-129	0	0	1	0	0	0	0	125-129	0	0	8	0	0	0	****	0
130-134	1	1	0	1	1	0	0	130-134	11	5	0	5	7	0	****	6
135-139	0	0	0	1	0	0	0	135-139	0	0	0	10	0	0	****	8
140-144	0	0	1	0	0	0	0	140-144	0	0	16	0	0	0	****	0
145-149	0	0	0	0	0	0	0	145-149	0	0	0	0	0	0	****	0
150-154	0	0	0	0	0	0	0	150-154	0	0	0	0	0	0	****	0
155-159	0	0	0	0	0	0	0	155-159	0	0	0	0	0	0	****	0
160-216	0	0	0	0	0	0	0	160-216	0	0	****	****	0	0	****	0
UNKNOWN	5	0	2	1	0	0	0	SLOPE	******	-0.067	0.027	******	******	******	******	0.016
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	*****	0.047	0.054	*****	*****	*****	*****	0.050
WOMEN AGED 45-54 AT EXAM															
TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
068-119	2	2	0	0	0	0	0	068-119	26	12	0	0	0	0	****	9
120-124	2	1	0	0	0	0	0	120-124	23	6	0	0	0	0	****	0
125-129	4	3	1	0	0	0	0	125-129	61	26	9	0	0	0	****	7
130-134	1	4	0	0	0	0	0	130-134	14	24	0	0	0	0	****	0
135-139	2	2	0	1	0	0	0	135-139	29	24	0	6	0	0	****	0
140-144	2	0	1	1	1	0	0	140-144	59	0	19	9	7	0	****	0
145-149	1	0	2	0	1	0	0	145-149	62	0	45	0	13	0	****	11
150-154	0	0	1	0	0	1	0	150-154	0	0	59	0	0	16	****	23
155-159	0	0	1	0	0	0	0	155-159	0	0	125	0	0	0	****	0
160-216	0	0	0	0	0	0	0	160-216	0	0	0	0	0	0	****	0
UNKNOWN	6	0	0	2	0	1	0	SLOPE	0.003	0.010	0.128	******	******	******	******	0.025
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.023	0.028	0.037	*****	*****	*****	*****	0.043
WOMEN AGED 55-64 AT EXAM															
TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
068-119	0	4	3	2	0	0	0	068-119	0	38	41	49	0	0	****	15
120-124	1	1	4	0	1	0	0	120-124	21	10	41	0	23	0	****	0
125-129	0	3	5	3	1	2	0	125-129	0	37	59	33	15	35	****	63
130-134	4	6	3	2	1	0	0	130-134	80	49	22	11	6	0	****	18
135-139	0	4	4	2	2	0	0	135-139	0	77	56	17	15	0	****	15
140-144	1	3	2	5	3	3	0	140-144	43	75	38	56	27	24	****	35
145-149	0	4	2	2	2	0	0	145-149	0	444	51	38	27	0	****	0
150-154	1	1	1	1	2	3	0	150-154	200	100	77	62	50	54	****	101
155-159	0	0	0	0	0	0	0	155-159	0	0	0	0	0	0	****	0
160-216	0	1	0	0	0	0	0	160-216	0	1000	0	0	0	0	****	0
UNKNOWN	11	0	0	2	1	0	4	SLOPE	0.042	0.065	0.006	0.016	0.031	0.022	******	0.013
NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.036	0.019	0.020	0.025	0.028	0.033	*****	0.020

TABLE 18-A-10

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: PHOSPHOLIPID (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM															
TOTAL	11	6	6	2	1	1	0	TOTAL	13	7	7	3	2	3	0	4
062-159	1	1	0	0	0	0	0	062-159	4	5	0	****	****	****	****	10
160-179	0	0	0	0	0	0	0	160-179	0	0	0	0	****	****	****	0
180-199	1	1	0	0	0	0	0	180-199	10	7	0	0	****	****	0	0
200-219	0	0	1	0	0	0	0	200-219	0	0	11	0	****	****	0	0
220-239	0	1	0	0	0	0	0	220-239	0	17	0	0	****	****	0	0
240-259	0	0	2	1	0	0	0	240-259	0	0	20	9	****	****	0	11
260-279	1	0	1	0	0	0	0	260-279	62	0	14	0	****	****	0	11
280-299	1	0	0	0	0	0	0	280-299	333	0	0	0	****	****	0	0
300-319	0	0	0	0	0	0	0	300-319	0	0	0	0	****	****	0	0
320-968	0	0	0	0	0	0	0	320-968	0	0	0	0	****	****	0	0
UNKNOWN	7	1	0	0	1	1	0	SLOPE	0.016	-0.007	0.004	******	******	******	******	-0.007
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.009	0.011	0.010	*****	*****	*****	*****	0.009
MEN AGED 45-54 AT EXAM															
TOTAL	25	19	16	13	11	3	0	TOTAL	34	25	22	17	14	4	0	16
062-159	5	4	0	0	0	0	0	062-159	32	23	0	0	****	****	****	27
160-179	5	0	3	0	0	0	0	160-179	74	0	68	0	****	****	0	45
180-199	1	5	1	1	0	0	0	180-199	21	42	20	59	****	****	0	0
200-219	1	1	1	1	0	0	0	200-219	20	10	13	18	****	****	0	0
220-239	1	3	1	1	0	0	0	220-239	50	52	12	14	****	****	0	11
240-259	2	3	4	0	0	0	0	240-259	74	86	57	0	****	****	0	8
260-279	1	0	0	2	0	0	0	260-279	42	0	0	18	****	****	0	8
280-299	0	0	0	3	0	0	0	280-299	0	0	0	28	****	****	0	19
300-319	0	0	3	1	0	0	0	300-319	0	0	130	13	****	****	0	13
320-968	0	0	1	3	0	0	0	320-968	0	0	40	28	****	****	0	21
UNKNOWN	9	2	1	0	10	2	0	SLOPE	-0.001	0.002	0.004	0.003	******	******	******	-0.002
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.005	0.005	0.005	0.006	*****	*****	*****	0.005
MEN AGED 55-64 AT EXAM															
TOTAL	22	26	25	12	4	7	3	TOTAL	64	53	43	20	7	11	5	35
062-159	4	3	0	0	0	0	0	062-159	43	32	0	****	****	****	****	0
160-179	3	4	0	0	0	0	0	160-179	61	62	0	0	****	****	0	0
180-199	4	4	2	0	0	0	0	180-199	154	60	51	0	****	****	0	23
200-219	3	3	3	0	0	0	0	200-219	97	42	48	0	****	****	0	50
220-239	0	4	3	2	0	0	0	220-239	0	78	41	33	****	****	0	52
240-259	0	4	4	1	0	0	1	240-259	0	174	54	11	****	****	9	41
260-279	3	1	2	1	0	0	2	260-279	214	67	47	10	****	****	16	48
280-299	0	0	1	2	0	0	0	280-299	0	0	50	25	****	****	0	40
300-319	0	0	1	1	0	0	0	300-319	****	0	36	18	****	****	0	19
320-968	0	0	2	3	0	0	0	320-968	0	0	105	55	****	****	0	36
UNKNOWN	5	2	5	1	4	6	0	SLOPE	0.004	0.007	0.006	0.015	******	******	-0.007	0.004
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.005	0.005	0.005	0.007	*****	*****	0.014	0.004

TABLE 18-A-10

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: PHOSPHOLIPID (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM																
TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
062-159	3	0	0	0	0	0	0	062-159	9	0	0	0	****	****	****	0
160-179	0	1	0	0	0	0	0	160-179	0	6	0	0	****	****	****	0
180-199	0	0	0	1	0	0	0	180-199	0	0	0	20	****	****	0	11
200-219	0	2	0	0	0	0	0	200-219	0	15	0	0	****	****	0	0
220-239	1	0	3	0	0	0	0	220-239	26	0	23	0	****	****	0	9
240-259	1	0	0	0	0	0	0	240-259	56	0	0	0	****	****	0	0
260-279	0	0	0	0	0	0	0	260-279	0	0	0	0	****	****	0	0
280-299	0	0	0	0	0	0	0	280-299	0	0	0	0	****	****	0	0
300-319	0	0	0	1	0	0	0	300-319	0	0	0	16	****	****	0	30
320-968	0	0	0	0	0	0	0	320-968	****	0	0	0	****	****	0	0
UNKNOWN	2	1	2	1	1	0	0	SLOPE	0.012	0.011	0.006	******	******	******	******	0.009
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.011	0.013	0.013	*****	*****	*****	*****	0.010
WOMEN AGED 45-54 AT EXAM																
TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
062-159	7	3	0	0	0	0	0	062-159	44	17	0	****	****	****	****	0
160-179	3	0	0	0	0	0	0	160-179	46	0	0	0	****	****	0	0
180-199	1	2	1	0	0	0	0	180-199	14	16	29	0	****	****	0	34
200-219	1	3	1	0	0	0	0	200-219	14	21	9	0	****	****	0	0
220-239	0	3	0	1	0	0	0	220-239	0	33	0	12	****	****	0	0
240-259	0	1	0	0	0	0	0	240-259	0	17	0	0	****	****	0	0
260-279	0	0	1	1	0	0	0	260-279	0	0	12	7	****	****	0	13
280-299	0	0	1	0	0	0	0	280-299	0	0	18	0	****	****	0	0
300-319	0	0	0	0	0	0	0	300-319	0	0	0	0	****	****	0	0
320-968	1	0	1	0	0	0	0	320-968	91	0	23	0	****	****	0	0
UNKNOWN	7	0	1	2	2	2	0	SLOPE	-0.005	0.001	0.005	******	******	******	******	-0.007
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.005	0.006	0.009	*****	*****	*****	*****	0.008
WOMEN AGED 55-64 AT EXAM																
TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
062-159	3	4	2	0	0	0	0	062-159	42	65	111	****	****	****	****	66
160-179	0	3	0	0	0	0	0	160-179	0	47	0	0	****	****	****	0
180-199	3	1	2	1	0	0	0	180-199	81	11	54	200	****	****	****	28
200-219	1	6	1	0	0	0	0	200-219	25	57	15	0	****	****	0	0
220-239	0	4	3	2	0	0	0	220-239	0	56	47	38	****	****	0	44
240-259	0	6	3	2	0	0	0	240-259	0	146	33	26	****	****	0	43
260-279	0	0	3	3	0	0	1	260-279	0	0	57	25	****	****	8	17
280-299	1	2	2	1	0	0	1	280-299	200	91	33	9	****	****	9	28
300-319	0	0	3	2	0	0	0	300-319	0	0	77	18	****	****	0	19
320-968	0	0	1	6	0	0	2	320-968	0	0	33	39	****	****	10	20
UNKNOWN	10	1	4	2	13	8	0	SLOPE	-0.009	0.001	0.000	0.000	******	******	0.007	-0.004
NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.007	0.004	0.005	0.006	*****	*****	0.012	0.004

TABLE 18-A-11

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: URIC ACID (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM															
TOTAL	11	6	6	2	1	1	0	TOTAL	13	7	7	3	2	3	0	4
0.5-2.9	0	0	0	0	0	0	0	0.5-2.9	0	0	0	0	****	****	****	0
3.0-3.4	0	0	0	0	0	0	0	3.0-3.4	0	0	0	0	****	****	****	0
3.5-3.9	1	0	0	0	0	0	0	3.5-3.9	13	0	0	0	****	****	****	0
4.0-4.4	0	1	0	0	0	0	0	4.0-4.4	0	8	0	0	****	****	****	0
4.5-4.9	0	1	0	0	0	0	0	4.5-4.9	0	7	0	0	****	****	****	0
5.0-5.4	0	0	3	0	0	0	0	5.0-5.4	0	0	20	0	****	****	****	7
5.5-5.9	2	0	1	1	0	0	0	5.5-5.9	27	0	8	11	****	****	****	9
6.0-6.4	0	1	0	0	0	0	0	6.0-6.4	0	12	0	0	****	****	****	15
6.5-6.9	1	0	0	0	0	0	0	6.5-6.9	34	0	0	0	****	****	****	0
7.0-10.4	0	0	0	0	0	0	0	7.0-10.4	0	0	0	0	****	****	****	0
UNKNOWN	7	1	0	0	1	1	0	SLOPE	0.048	-0.007	0.043	******	******	******	******	0.058
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.040	0.054	0.052	*****	*****	*****	*****	0.056
MEN AGED 45-54 AT EXAM															
TOTAL	25	19	16	13	11	3	0	TOTAL	34	25	22	17	14	4	0	16
0.5-2.9	1	1	0	0	0	0	0	0.5-2.9	43	67	0	0	****	****	****	0
3.0-3.4	0	0	0	0	0	0	0	3.0-3.4	0	0	0	0	****	****	****	0
3.5-3.9	0	0	2	0	0	0	0	3.5-3.9	0	0	49	0	****	****	****	0
4.0-4.4	2	3	2	2	0	0	0	4.0-4.4	40	31	19	19	****	****	****	7
4.5-4.9	3	3	2	1	0	0	0	4.5-4.9	40	25	15	7	****	****	****	5
5.0-5.4	4	0	3	3	0	0	0	5.0-5.4	67	0	25	20	****	****	****	11
5.5-5.9	5	1	3	2	0	0	0	5.5-5.9	89	10	43	20	****	****	****	47
6.0-6.4	1	5	3	3	0	0	0	6.0-6.4	27	69	45	59	****	****	****	38
6.5-6.9	0	2	0	1	0	0	0	6.5-6.9	0	49	0	45	****	****	****	0
7.0-10.4	0	2	0	0	0	0	0	7.0-10.4	0	50	0	0	****	****	****	0
UNKNOWN	9	1	0	0	10	2	0	SLOPE	0.007	0.040	0.014	0.044	******	******	******	0.049
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.020	0.022	0.027	0.031	*****	*****	*****	0.027
MEN AGED 55-64 AT EXAM															
TOTAL	22	26	25	12	4	7	3	TOTAL	64	53	43	20	7	11	5	35
0.5-2.9	0	0	0	0	0	0	0	0.5-2.9	0	0	0	0	****	****	****	0
3.0-3.4	0	0	0	0	0	0	0	3.0-3.4	0	0	0	0	****	****	****	0
3.5-3.9	1	3	1	1	0	0	0	3.5-3.9	38	77	20	23	****	****	****	34
4.0-4.4	1	3	5	0	0	0	0	4.0-4.4	26	55	63	0	****	****	****	27
4.5-4.9	6	4	4	4	0	0	0	4.5-4.9	150	51	39	34	****	****	****	35
5.0-5.4	5	5	8	0	0	0	0	5.0-5.4	132	68	78	0	****	****	****	51
5.5-5.9	1	5	0	2	0	0	0	5.5-5.9	30	78	0	27	****	****	****	21
6.0-6.4	1	3	3	2	0	0	0	6.0-6.4	53	54	75	40	****	****	****	32
6.5-6.9	1	0	1	0	0	0	0	6.5-6.9	83	0	53	0	****	****	****	39
7.0-10.4	1	1	1	1	0	0	0	7.0-10.4	91	62	100	111	****	****	****	176
UNKNOWN	5	1	0	1	4	6	3	SLOPE	0.023	0.008	0.019	0.042	******	******	******	0.037
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.021	0.019	0.023	0.034	*****	*****	*****	0.021

TABLE 18-A-11

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: URIC ACID (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM															
TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
0.5-2.9	2	1	0	1	0	0	0	0.5-2.9	11	8	0	8	****	****	****	7
3.0-3.4	0	1	1	0	0	0	0	3.0-3.4	0	5	5	0	****	****	****	0
3.5-3.9	0	0	2	0	0	0	0	3.5-3.9	0	0	9	0	****	****	****	5
4.0-4.4	2	1	0	1	0	0	0	4.0-4.4	18	5	0	7	****	****	****	6
4.5-4.9	1	1	0	0	0	0	0	4.5-4.9	15	9	0	0	****	****	****	0
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4	0	0	0	0	****	****	****	0
5.5-5.9	0	0	0	0	0	0	0	5.5-5.9	0	0	0	0	****	****	****	0
6.0-6.4	0	0	0	0	0	0	0	6.0-6.4	0	0	0	0	****	****	****	0
6.5-6.9	0	0	0	0	0	0	0	6.5-6.9	0	0	0	0	****	****	****	0
7.0-10.4	0	0	0	0	0	0	0	7.0-10.4	0	0	****	0	****	****	****	0
UNKNOWN	2	0	2	1	1	0	0	SLOPE	0.016	-0.026	-0.041	******	******	******	******	-0.008
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.041	0.059	0.075	*****	*****	*****	*****	0.069
WOMEN AGED 45-54 AT EXAM															
TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
0.5-2.9	1	0	1	0	0	0	0	0.5-2.9	11	0	13	0	****	****	****	0
3.0-3.4	1	2	1	0	0	0	0	3.0-3.4	14	19	7	0	****	****	****	0
3.5-3.9	5	3	0	1	0	0	0	3.5-3.9	62	18	0	6	****	****	****	4
4.0-4.4	1	1	1	0	0	0	0	4.0-4.4	14	6	7	0	****	****	****	4
4.5-4.9	3	0	0	0	0	0	0	4.5-4.9	39	0	0	0	****	****	****	0
5.0-5.4	2	2	2	1	0	0	0	5.0-5.4	56	24	32	19	****	****	****	13
5.5-5.9	0	3	1	0	0	0	0	5.5-5.9	0	56	37	0	****	****	****	32
6.0-6.4	0	1	0	0	0	0	0	6.0-6.4	0	42	0	0	****	****	****	0
6.5-6.9	0	0	0	0	0	0	0	6.5-6.9	0	0	0	0	****	****	****	0
7.0-10.4	0	0	0	0	0	0	0	7.0-10.4	0	0	****	****	****	****	****	0
UNKNOWN	7	0	0	2	2	2	0	SLOPE	0.015	0.045	0.053	******	******	******	******	0.097
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.026	0.029	0.048	*****	*****	*****	*****	0.056
WOMEN AGED 55-64 AT EXAM															
TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
0.5-2.9	1	2	3	1	0	0	0	0.5-2.9	38	38	75	23	****	****	****	30
3.0-3.4	0	3	5	2	0	0	0	3.0-3.4	0	48	60	24	****	****	****	18
3.5-3.9	1	4	3	2	0	0	0	3.5-3.9	20	43	26	15	****	****	****	18
4.0-4.4	2	5	3	2	0	0	0	4.0-4.4	33	46	21	12	****	****	****	21
4.5-4.9	2	5	2	1	0	0	0	4.5-4.9	53	54	21	9	****	****	****	15
5.0-5.4	0	1	1	3	0	0	0	5.0-5.4	0	18	20	44	****	****	****	26
5.5-5.9	0	2	1	3	0	0	0	5.5-5.9	0	54	37	88	****	****	****	56
6.0-6.4	0	0	2	1	0	0	0	6.0-6.4	0	0	222	67	****	****	****	59
6.5-6.9	1	2	2	0	0	0	0	6.5-6.9	250	222	286	0	****	****	****	0
7.0-10.4	0	3	1	1	0	0	0	7.0-10.4	0	750	500	500	****	****	****	0
UNKNOWN	11	0	1	3	13	8	4	SLOPE	0.020	0.037	0.031	0.078	******	******	******	0.017
NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.037	0.019	0.024	0.029	*****	*****	*****	0.026

TABLE 18-A-12

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: VITAL CAPACITY (LITERS)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM															
TOTAL	11	6	6	2	1	1	0	TOTAL	13	7	7	3	2	3	0	4
0.5-1.4	0	0	0	0	0	0	0	0.5-1.4	0	****	0	****	****	****	****	0
1.5-1.9	0	0	0	0	0	0	0	1.5-1.9	0	0	0	0	0	****	****	0
2.0-2.4	1	0	0	0	0	0	0	2.0-2.4	83	0	0	0	0	0	****	0
2.5-2.9	0	1	0	0	0	0	0	2.5-2.9	0	24	0	0	0	0	0	32
3.0-3.4	3	0	3	0	0	0	0	3.0-3.4	19	0	25	0	0	0	0	16
3.5-3.9	4	1	1	1	1	1	0	3.5-3.9	16	4	5	5	9	14	0	4
4.0-4.4	3	1	0	0	0	0	0	4.0-4.4	13	4	0	0	0	0	0	0
4.5-4.9	0	0	0	0	0	0	0	4.5-4.9	0	0	0	0	0	0	0	0
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4	0	0	0	0	0	0	0	0
5.5-6.1	0	0	0	0	0	0	0	5.5-6.1	0	0	0	0	0	0	0	0
UNKNOWN	0	1	0	0	0	0	0	SLOPE	-0.075	-0.091	-0.135	******	******	******	******	-0.169
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.047	0.090	0.077	*****	*****	*****	*****	0.075
MEN AGED 45-54 AT EXAM															
TOTAL	25	19	16	13	11	3	0	TOTAL	34	25	22	17	14	4	0	16
0.5-1.4	0	0	0	0	0	0	0	0.5-1.4	0	0	****	****	****	****	0	0
1.5-1.9	0	1	1	0	0	0	0	1.5-1.9	0	200	200	0	0	0	0	167
2.0-2.4	5	1	1	2	1	0	0	2.0-2.4	200	62	67	133	62	0	0	124
2.5-2.9	5	1	2	0	1	0	0	2.5-2.9	67	15	26	0	17	0	0	11
3.0-3.4	3	6	6	3	3	1	0	3.0-3.4	17	32	35	19	21	6	0	22
3.5-3.9	6	5	3	4	4	1	0	3.5-3.9	26	24	18	18	18	5	0	10
4.0-4.4	5	4	2	3	1	0	0	4.0-4.4	34	27	16	20	6	0	0	14
4.5-4.9	1	0	0	0	0	0	0	4.5-4.9	19	0	0	0	0	0	0	11
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4	0	0	0	0	0	0	0	0
5.5-6.1	0	0	0	0	0	0	0	5.5-6.1	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.084	-0.055	-0.103	-0.077	-0.086	******	******	-0.084
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.031	0.038	0.041	0.046	0.048	*****	*****	0.037
MEN AGED 55-64 AT EXAM															
TOTAL	22	26	25	12	4	7	3	TOTAL	64	53	43	20	7	11	5	35
0.5-1.4	0	0	0	0	0	0	0	0.5-1.4	****	0	0	****	0	0	****	0
1.5-1.9	0	2	0	0	0	0	0	1.5-1.9	0	182	0	0	0	0	0	0
2.0-2.4	2	2	6	3	0	0	0	2.0-2.4	105	61	171	111	0	0	0	108
2.5-2.9	7	8	6	2	2	2	1	2.5-2.9	100	105	62	21	23	20	10	72
3.0-3.4	4	10	8	5	0	0	2	3.0-3.4	38	76	56	30	0	0	12	34
3.5-3.9	7	3	3	0	1	4	0	3.5-3.9	73	23	19	0	6	28	0	20
4.0-4.4	1	0	0	1	1	0	0	4.0-4.4	29	0	0	16	13	0	0	0
4.5-4.9	0	0	0	0	0	0	0	4.5-4.9	0	0	0	0	0	0	0	0
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4	0	0	0	0	0	0	0	0
5.5-6.1	0	0	0	0	0	0	0	5.5-6.1	****	****	****	****	****	0	0	0
UNKNOWN	1	0	0	0	0	0	0	SLOPE	-0.059	-0.099	-0.120	-0.125	-0.045	-0.004	-0.052	-0.108
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.039	0.032	0.034	0.050	0.083	0.064	0.087	0.033

TABLE 18-A-12

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: VITAL CAPACITY (LITERS)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM															
TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
0.5-1.4	0	0	0	0	0	0	0	0.5-1.4	0	0	0	****	****	****	****	0
1.5-1.9	1	1	2	0	0	0	0	1.5-1.9	16	26	87	0	0	0	0	31
2.0-2.4	2	2	1	1	0	0	0	2.0-2.4	9	12	6	10	0	0	0	6
2.5-2.9	3	1	2	1	1	0	0	2.5-2.9	7	2	6	3	4	0	0	3
3.0-3.4	1	0	0	1	0	0	0	3.0-3.4	4	0	0	4	0	0	0	3
3.5-3.9	0	0	0	0	0	0	0	3.5-3.9	0	0	0	0	0	0	0	0
4.0-4.4	0	0	0	0	0	0	0	4.0-4.4	0	0	0	0	0	0	0	0
4.5-4.9	0	0	0	0	0	0	0	4.5-4.9	0	0	0	0	0	****	****	0
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4	0	****	****	****	****	****	****	0
5.5-6.1	0	0	0	0	0	0	0	5.5-6.1	****	****	****	****	****	0	****	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.131	-0.251	-0.270	-0.107	******	******	******	-0.192
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.072	0.102	0.089	0.118	*****	*****	*****	0.099
WOMEN AGED 45-54 AT EXAM															
TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
0.5-1.4	1	1	0	0	0	0	0	0.5-1.4	59	38	0	0	0	0	0	0
1.5-1.9	7	2	1	2	0	1	0	1.5-1.9	67	19	13	33	0	20	0	20
2.0-2.4	9	5	4	2	2	1	0	2.0-2.4	27	18	15	8	10	4	0	8
2.5-2.9	2	4	1	0	0	0	0	2.5-2.9	7	14	3	0	0	0	0	0
3.0-3.4	1	0	0	0	0	0	0	3.0-3.4	8	0	0	0	0	0	0	0
3.5-3.9	0	0	0	0	0	0	0	3.5-3.9	0	0	0	0	0	0	0	0
4.0-4.4	0	0	0	0	0	0	0	4.0-4.4	0	0	0	0	0	0	0	0
4.5-4.9	0	0	0	0	0	0	0	4.5-4.9	****	****	****	0	****	0	0	0
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4	****	****	****	****	****	****	****	*****
5.5-6.1	0	0	0	0	0	0	0	5.5-6.1	****	****	****	****	****	****	****	*****
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.186	-0.101	-0.120	-0.298	******	******	******	-0.197
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.046	0.057	0.082	0.106	*****	*****	*****	0.090
WOMEN AGED 55-64 AT EXAM															
TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
0.5-1.4	1	6	3	3	0	0	1	0.5-1.4	38	146	68	91	0	0	43	151
1.5-1.9	5	7	7	5	4	4	1	1.5-1.9	59	58	59	37	33	36	9	62
2.0-2.4	12	10	12	8	7	4	2	2.0-2.4	58	43	44	28	23	14	6	18
2.5-2.9	0	2	2	3	2	0	0	2.5-2.9	0	15	14	15	10	0	0	0
3.0-3.4	0	0	0	0	0	0	0	3.0-3.4	0	0	0	0	0	0	0	0
3.5-3.9	0	0	0	0	0	0	0	3.5-3.9	0	0	0	0	0	0	0	0
4.0-4.4	0	0	0	0	0	0	0	4.0-4.4	****	****	****	****	****	****	0	0
4.5-4.9	0	0	0	0	0	0	0	4.5-4.9	****	****	****	****	****	****	****	*****
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4	****	****	****	****	****	****	****	*****
5.5-6.1	0	0	0	0	0	0	0	5.5-6.1	****	****	****	****	****	****	****	*****
UNKNOWN	0	2	0	0	0	0	0	SLOPE	-0.103	-0.149	-0.110	-0.130	-0.119	-0.154	-0.247	-0.235
NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.050	0.042	0.041	0.048	0.062	0.077	0.109	0.043

TABLE 18-A-13

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: WEIGHT (POUNDS)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM																
TOTAL	11	6	6	2	1	1	0	TOTAL	13	7	7	3	2	3	0	4
067-119	0	0	0	0	0	0	0	067-119	0	0	0	0	0	0	****	0
120-129	0	0	0	0	0	0	0	120-129	0	0	0	0	0	0	0	0
130-139	0	0	1	0	0	0	0	130-139	0	0	24	0	0	0	0	21
140-149	1	1	0	0	0	0	0	140-149	9	10	0	0	0	0	0	0
150-159	1	0	0	0	0	0	0	150-159	10	0	0	0	0	0	0	0
160-169	1	0	1	0	0	0	0	160-169	8	0	8	0	0	0	0	0
170-179	2	2	1	0	0	0	0	170-179	15	16	7	0	0	0	0	0
180-189	1	0	0	0	0	0	0	180-189	9	0	0	0	0	0	0	0
190-199	2	0	0	0	0	0	0	190-199	25	0	0	0	0	0	0	12
200-305	3	1	1	1	1	1	0	200-305	31	11	10	10	12	17	0	18
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.030	0.005	0.004	******	******	******	******	0.026
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.012	0.020	0.020	*****	*****	*****	*****	0.019
MEN AGED 45-54 AT EXAM																
TOTAL	25	19	16	13	11	3	0	TOTAL	34	25	22	17	14	4	0	16
067-119	0	0	0	0	1	0	0	067-119	0	0	0	0	100	0	0	0
120-129	0	0	0	1	0	0	0	120-129	0	0	0	83	0	0	0	0
130-139	3	2	1	0	0	0	0	130-139	55	41	29	0	0	0	0	0
140-149	5	1	2	0	1	0	0	140-149	60	13	25	0	14	0	0	28
150-159	3	2	1	1	1	0	0	150-159	24	20	13	12	11	0	0	15
160-169	2	2	3	2	2	0	0	160-169	18	17	29	18	20	0	0	27
170-179	1	1	1	3	1	0	0	170-179	8	10	11	28	8	0	0	0
180-189	6	3	3	3	0	1	0	180-189	74	32	35	31	0	10	0	23
190-199	3	3	2	0	1	1	0	190-199	53	55	36	0	12	12	0	21
200-305	2	4	2	2	3	0	0	200-305	29	57	30	25	37	0	0	26
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.003	0.021	0.008	0.006	0.003	******	******	0.005
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.009	0.010	0.011	0.012	0.013	*****	*****	0.010
MEN AGED 55-64 AT EXAM																
TOTAL	22	26	25	12	4	7	3	TOTAL	64	53	43	20	7	11	5	35
067-119	0	0	0	0	0	1	0	067-119	0	0	0	0	0	100	0	59
120-129	2	1	1	0	0	0	0	120-129	111	53	53	0	0	0	0	42
130-139	1	4	1	1	0	1	0	130-139	37	143	36	30	0	30	0	24
140-149	3	3	4	4	2	0	0	140-149	57	49	65	67	31	0	0	83
150-159	3	4	5	1	0	0	1	150-159	68	60	58	12	0	0	13	20
160-169	3	3	1	0	0	1	0	160-169	58	43	12	0	0	10	0	0
170-179	4	3	2	3	1	2	1	170-179	80	40	29	34	11	20	11	44
180-189	1	1	3	1	1	1	0	180-189	32	22	44	14	14	14	0	23
190-199	1	4	1	1	0	0	1	190-199	32	125	32	23	0	0	23	58
200-305	4	2	5	0	0	0	0	200-305	182	54	114	0	0	0	0	35
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.013	0.003	0.015	-0.013	-0.010	-0.017	0.016	0.000
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.008	0.008	0.009	0.013	0.022	0.018	0.024	0.009

TABLE 18-A-13

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: WEIGHT (POUNDS)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM															
TOTAL	7	5	5	3	1	0	0	TOTAL 6	4	5	3	1	0	0	4
067-119	3	2	0	0	0	0	0	067-119 12	9	0	0	0	0	0	0
120-129	1	2	4	1	0	0	0	120-129 5	10	22	6	0	0	0	5
130-139	0	0	0	1	1	0	0	130-139 0	0	0	6	8	0	0	10
140-149	1	0	0	0	0	0	0	140-149 7	0	0	0	0	0	0	0
150-159	1	0	0	0	0	0	0	150-159 9	0	0	0	0	0	0	0
160-169	0	0	0	0	0	0	0	160-169 0	0	0	0	0	0	0	0
170-179	0	0	0	0	0	0	0	170-179 0	0	0	0	0	0	0	0
180-189	0	0	0	1	0	0	0	180-189 0	0	0	43	0	0	0	38
190-199	0	0	0	0	0	0	0	190-199 0	0	0	0	0	0	0	0
200-305	1	0	1	0	0	0	0	200-305 36	0	62	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE 0.001	-0.031	0.006	0.020	******	******	******	0.013
NO EXAM	0	1	0	0	0	0	0	STD.ERROR 0.015	0.021	0.019	0.024	*****	*****	*****	0.021
WOMEN AGED 45-54 AT EXAM															
TOTAL	20	12	7	4	2	2	0	TOTAL 23	13	7	4	2	2	0	4
067-119	2	2	0	0	0	0	0	067-119 19	16	0	0	0	0	0	0
120-129	1	0	0	1	1	0	0	120-129 9	0	0	7	7	0	0	0
130-139	1	1	0	0	1	1	0	130-139 5	7	0	0	5	6	0	4
140-149	1	2	2	1	0	0	0	140-149 7	13	15	7	0	0	0	0
150-159	6	3	2	1	0	0	0	150-159 50	28	20	9	0	0	0	13
160-169	1	1	1	0	0	0	0	160-169 12	13	16	0	0	0	0	0
170-179	2	2	0	0	0	0	0	170-179 47	44	0	0	0	0	0	0
180-189	1	1	1	0	0	0	0	180-189 21	28	29	0	0	0	0	25
190-199	0	0	0	1	0	0	0	190-199 0	0	0	56	0	0	0	0
200-305	5	0	0	0	0	0	0	200-305 167	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	1	0	SLOPE 0.037	0.008	0.026	0.021	******	******	******	0.021
NO EXAM	0	0	1	0	0	0	0	STD.ERROR 0.009	0.011	0.017	0.020	*****	*****	*****	0.020
WOMEN AGED 55-64 AT EXAM															
TOTAL	18	27	26	22	15	9	4	TOTAL 41	44	36	27	18	11	5	25
067-119	2	3	2	1	1	1	0	067-119 38	50	27	12	11	12	0	28
120-129	1	0	1	1	0	0	0	120-129 24	0	13	13	0	0	0	0
130-139	2	3	1	2	3	2	1	130-139 26	31	8	14	24	14	7	18
140-149	2	4	3	4	1	1	0	140-149 34	47	28	29	7	8	0	19
150-159	2	2	5	4	2	0	1	150-159 29	25	57	40	19	0	10	24
160-169	1	7	3	0	1	2	0	160-169 24	101	45	0	16	34	0	12
170-179	5	0	2	2	0	1	2	170-179 132	0	54	47	0	24	43	70
180-189	0	1	1	0	1	0	0	180-189 0	40	42	0	45	0	0	28
190-199	0	1	0	0	1	0	0	190-199 0	67	0	0	71	0	0	96
200-305	3	6	6	5	3	1	0	200-305 150	240	214	161	97	48	0	84
UNKNOWN	0	0	0	0	0	0	0	SLOPE 0.014	0.028	0.033	0.030	0.033	0.014	0.028	0.025
NO EXAM	0	0	2	3	2	1	0	STD.ERROR 0.009	0.007	0.008	0.009	0.011	0.014	0.020	0.008

TABLE 18-A-14

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE CHARACTERISTIC: ABNORMAL ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM															
TOTAL	11	6	6	2	1	1	0	TOTAL	13	7	7	3	2	3	0	4
NO	7	1	2	1	0	0	0	NO	9	1	3	2	0	0	0	1
POSSIBLE	3	1	1	0	0	0	0	POSSIBLE	48	11	14	0	0	0	0	13
DEFINITE	1	2	1	0	1	1	0	DEFINITE	27	57	28	0	32	45	0	51
UNKNOWN	0	0	0	0	0	0	0	SLOPE	1.385	4.409	2.336	******	******	******	******	4.304
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.651	1.023	1.017	*****	*****	*****	*****	1.006
MEN AGED 45-54 AT EXAM															
TOTAL	25	19	16	13	11	3	0	TOTAL	34	25	22	17	14	4	0	16
NO	12	10	6	7	4	1	0	NO	20	18	12	12	7	2	0	6
POSSIBLE	3	4	3	3	1	0	0	POSSIBLE	48	49	49	45	14	0	0	10
DEFINITE	10	4	6	2	5	1	0	DEFINITE	192	80	113	33	89	13	0	130
UNKNOWN	0	0	0	0	0	0	0	SLOPE	2.360	1.230	2.109	0.846	2.535	******	******	2.969
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.370	0.412	0.439	0.476	0.548	*****	*****	0.402
MEN AGED 55-64 AT EXAM															
TOTAL	22	26	25	12	4	7	3	TOTAL	64	53	43	20	7	11	5	35
NO	14	13	11	2	2	2	1	NO	53	40	31	5	5	5	2	18
POSSIBLE	4	6	4	1	1	0	0	POSSIBLE	98	87	52	14	12	0	0	10
DEFINITE	4	6	8	8	1	4	2	DEFINITE	95	100	113	90	14	48	22	138
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.412	0.632	0.884	1.944	0.631	1.680	1.550	1.463
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.320	0.289	0.296	0.406	0.700	0.557	0.764	0.280

TABLE 18-A-14

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: ABNORMAL ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM																
TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
NO	5	3	5	2	1	0	0	NO	5	3	6	3	2	0	0	3
POSSIBLE	1	1	0	1	0	0	0	POSSIBLE	15	11	0	20	0	0	0	15
DEFINITE	1	0	0	0	0	0	0	DEFINITE	36	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	2.138	0.794	-0.794	1.449	******	******	******	0.862
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.980	1.286	1.286	1.479	*****	*****	*****	1.273
WOMEN AGED 45-54 AT EXAM																
TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
NO	10	7	4	1	0	0	0	NO	13	10	6	1	0	0	0	3
POSSIBLE	4	1	0	0	1	0	0	POSSIBLE	47	11	0	0	12	0	0	0
DEFINITE	6	4	2	3	1	2	0	DEFINITE	130	70	47	70	28	42	0	31
UNKNOWN	0	0	0	0	0	0	0	SLOPE	2.367	1.607	1.902	5.675	******	******	******	2.348
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.445	0.516	0.811	1.034	*****	*****	*****	0.878
WOMEN AGED 55-64 AT EXAM																
TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
NO	9	11	13	9	7	1	1	NO	26	27	27	16	13	2	2	13
POSSIBLE	3	7	2	3	3	1	0	POSSIBLE	54	73	28	40	48	15	0	10
DEFINITE	6	9	9	7	3	6	3	DEFINITE	187	143	120	80	30	81	37	126
UNKNOWN	0	0	0	0	0	0	0	SLOPE	1.741	1.250	1.095	1.191	0.646	3.383	2.773	1.878
NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.416	0.295	0.308	0.340	0.391	0.564	0.767	0.313

TABLE 18-A-15

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: LEFT VENTRICULAR HYPERTROPHY BY ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	
MEN AGED 35-44 AT EXAM															
TOTAL	11	6	6	2	1	1	0	13	7	7	3	2	3	0	4
NO	9	3	4	1	1	0	0	11	4	5	2	2	0	0	2
POSSIBLE	1	0	0	0	0	0	0	62	0	0	0	0	0	0	0
DEFINITE	1	1	0	0	0	1	0	111	167	0	0	0	500	0	400
UNKNOWN	0	0	0	0	0	0	0	SLOPE	4.076	9.604	-0.804	******	******	******	24.059
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	1.260	2.275	3.224	*****	*****	*****	2.490
MEN AGED 45-54 AT EXAM															
TOTAL	25	19	16	13	11	3	0	34	25	22	17	14	4	0	16
NO	19	15	11	11	8	2	0	27	23	18	16	12	3	0	13
POSSIBLE	2	0	2	0	0	0	0	111	0	182	0	0	0	0	48
DEFINITE	4	3	2	1	2	0	0	267	158	200	125	286	0	0	282
UNKNOWN	0	0	0	0	0	0	0	SLOPE	3.496	2.110	4.668	1.771	6.229	******	6.367
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.647	0.676	0.943	1.114	1.319	*****	0.884
MEN AGED 55-64 AT EXAM															
TOTAL	22	26	25	12	4	7	3	64	53	43	20	7	11	5	35
NO	17	21	20	7	4	5	3	54	51	42	14	8	10	6	28
POSSIBLE	2	2	2	1	0	0	0	143	83	105	56	0	0	0	74
DEFINITE	3	2	1	3	0	1	0	158	111	67	167	0	125	0	196
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.962	0.582	0.551	3.545	-0.719	3.224	-0.681	2.194
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.453	0.466	0.557	0.777	1.506	1.403	1.603	0.535

TABLE 18-A-15

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: LEFT VENTRICULAR HYPERTROPHY BY ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM															
TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
NO	7	4	5	3	1	0	0	NO	6	4	5	4	2	0	0	4
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	0	0	0	0	0	0	0
DEFINITE	0	0	0	0	0	0	0	DEFINITE	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.693	-0.702	-0.699	-0.807	******	******	******	-0.697
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	2.883	3.183	3.793	5.277	*****	*****	*****	3.641
WOMEN AGED 45-54 AT EXAM															
TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
NO	17	10	6	4	2	2	0	NO	20	12	7	5	2	2	0	4
POSSIBLE	1	2	0	0	0	0	0	POSSIBLE	71	69	0	0	0	0	0	0
DEFINITE	2	0	0	0	0	0	0	DEFINITE	154	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	2.886	1.818	-0.600	-0.691	******	******	******	-0.677
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.840	1.143	2.020	2.966	*****	*****	*****	2.270
WOMEN AGED 55-64 AT EXAM															
TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
NO	14	18	18	13	10	5	1	NO	33	35	31	20	15	7	1	15
POSSIBLE	1	4	3	2	1	1	2	POSSIBLE	125	118	107	61	53	48	80	119
DEFINITE	3	5	3	4	2	2	1	DEFINITE	300	238	200	182	91	200	125	278
UNKNOWN	0	0	0	0	0	0	0	SLOPE	3.323	2.196	2.299	2.796	2.169	7.315	13.970	4.985
NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.754	0.460	0.582	0.593	0.749	1.269	1.922	0.596

TABLE 18-A-16

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: NONSPECIFIC T-WAVE ABNORMALITY BY ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	
MEN AGED 35-44 AT EXAM																
TOTAL	11	6	6	2	1	1	0	TOTAL	13	7	7	3	2	3	0	4
NO	11	3	3	1	0	1	0	NO	13	4	4	2	0	3	0	5
POSSIBLE	0	0	1	0	0	0	0	POSSIBLE	****	0	40	0	0	0	0	0
DEFINITE	0	1	0	0	1	0	0	DEFINITE	0	56	0	0	56	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.517	3.656	1.117	******	******	******	******	-0.629
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	1.009	1.472	1.327	*****	*****	*****	*****	1.412
MEN AGED 45-54 AT EXAM																
TOTAL	25	19	16	13	11	3	0	TOTAL	34	25	22	17	14	4	0	16
NO	21	17	12	11	9	2	0	NO	30	26	21	17	14	3	0	15
POSSIBLE	0	0	1	1	0	0	0	POSSIBLE	****	0	38	38	0	0	0	0
DEFINITE	4	1	2	0	1	0	0	DEFINITE	154	50	80	0	32	0	0	67
UNKNOWN	0	0	0	0	0	0	0	SLOPE	1.897	0.155	1.153	-0.254	0.388	******	******	1.154
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.552	0.638	0.604	0.620	0.718	*****	*****	0.545
MEN AGED 55-64 AT EXAM																
TOTAL	22	26	25	12	4	7	3	TOTAL	64	53	43	20	7	11	5	35
NO	22	24	19	9	3	4	2	NO	66	57	43	20	6	8	4	32
POSSIBLE	0	1	1	0	0	0	0	POSSIBLE	****	83	31	0	0	0	0	0
DEFINITE	0	0	3	2	1	2	1	DEFINITE	0	0	100	51	31	57	22	94
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.550	-0.416	0.482	0.527	1.231	1.784	1.406	0.635
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.626	0.471	0.413	0.547	0.974	0.783	1.011	0.400

TABLE 18-A-16

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: NONSPECIFIC T-WAVE ABNORMALITY BY ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM															
TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
NO	7	4	5	3	1	0	0	NO	7	4	6	4	2	0	0	4
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	****	0	0	0	0	0	0	0
DEFINITE	0	0	0	0	0	0	0	DEFINITE	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.511	-0.720	-0.682	-0.627	******	******	******	-0.622
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	1.487	1.795	1.800	1.940	*****	*****	*****	1.743
WOMEN AGED 45-54 AT EXAM															
TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
NO	17	10	6	3	2	2	0	NO	20	13	8	4	2	2	0	4
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	****	0	0	0	0	0	0	0
DEFINITE	3	2	0	1	0	0	0	DEFINITE	143	56	0	36	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	2.794	1.065	-0.671	2.528	******	******	******	-0.643
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.744	0.657	1.013	1.263	*****	*****	*****	1.133
WOMEN AGED 55-64 AT EXAM															
TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
NO	18	25	19	16	12	6	2	NO	43	50	35	25	19	9	3	25
POSSIBLE	0	1	1	1	0	0	0	POSSIBLE	****	30	24	26	0	0	0	0
DEFINITE	0	1	4	2	1	2	2	DEFINITE	0	31	93	43	19	51	48	56
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.537	-0.247	0.610	0.292	-0.114	1.482	3.492	0.378
NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.682	0.390	0.382	0.440	0.513	0.730	1.019	0.413

TABLE 18-A-17

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: SMOKING NOW

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM															
TOTAL	11	6	6	2	1	1	0	13	7	7	3	2	3	0	4
NO	2	0	0	0	1	0	0	13	****	****	0	7	****	0	11
YES	9	0	0	1	0	0	0	13	****	****	2	0	****	0	3
UNKNOWN	0	4	4	0	0	1	0	SLOPE	0.002	******	******	******	******	******	-1.703
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.785	*****	*****	*****	*****	*****	1.220
MEN AGED 45-54 AT EXAM															
TOTAL	25	19	16	13	11	3	0	34	25	22	17	14	4	0	16
NO	2	0	0	2	2	0	0	12	****	****	11	10	****	0	20
YES	22	0	0	10	8	0	0	40	****	****	21	16	****	0	16
UNKNOWN	1	18	15	0	0	2	0	SLOPE	0.859	******	******	0.553	0.409	******	-0.254
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.494	*****	*****	0.652	0.707	*****	0.563
MEN AGED 55-64 AT EXAM															
TOTAL	22	26	25	12	4	7	3	64	53	43	20	7	11	5	35
NO	5	0	0	5	1	0	1	52	****	****	27	5	****	5	26
YES	17	0	0	6	3	0	2	69	****	****	18	9	****	6	41
UNKNOWN	0	25	23	0	0	6	0	SLOPE	0.281	******	******	-0.412	0.421	******	0.175	0.437
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.489	*****	*****	0.634	1.054	*****	1.194	0.420

TABLE 18-A-17

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE — CHARACTERISTIC: SMOKING NOW

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM																
TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
NO	2	0	0	1	1	0	0	NO	4	****	****	3	4	****	0	2
YES	5	0	0	2	0	0	0	YES	9	****	****	5	0	****	0	5
UNKNOWN	0	4	5	0	0	0	0	SLOPE	0.816	******	******	0.572	******	******	******	0.864
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.758	*****	*****	1.157	*****	*****	*****	1.003
WOMEN AGED 45-54 AT EXAM																
TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
NO	13	0	0	3	2	0	0	NO	22	****	****	6	4	****	0	4
YES	7	0	0	1	0	0	0	YES	26	****	****	3	0	****	0	4
UNKNOWN	0	12	6	0	0	2	0	SLOPE	0.168	******	******	-0.605	******	******	******	-0.042
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.487	*****	*****	1.025	*****	*****	*****	0.909
WOMEN AGED 55-64 AT EXAM																
TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
NO	14	0	0	13	8	0	2	NO	40	****	****	24	15	****	4	22
YES	4	0	0	4	5	0	2	YES	46	****	****	23	25	****	9	29
UNKNOWN	0	27	24	2	0	8	0	SLOPE	0.141	******	******	-0.054	0.558	******	1.072	0.317
NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.600	*****	*****	0.570	0.626	*****	1.112	0.488

TABLE 18-A-18

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: URINE ALBUMIN

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	
MEN AGED 35-44 AT EXAM																
TOTAL	11	6	6	2	1	1	0	TOTAL	13	7	7	3	2	3	0	4
NO	9	3	4	0	1	1	0	NO	11	4	5	****	2	3	0	3
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	****	0	****	0	0	****	0
DEFINITE	1	0	0	0	0	0	0	DEFINITE	48	0	0	****	0	0	0	78
UNKNOWN	1	1	0	1	0	0	0	SLOPE	1.514	-0.504	-0.548	******	******	******	******	9.817
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	1.011	3.652	2.234	*****	*****	*****	*****	2.275
MEN AGED 45-54 AT EXAM																
TOTAL	25	19	16	13	11	3	0	TOTAL	34	25	22	17	14	4	0	16
NO	24	16	14	0	8	2	0	NO	34	24	23	****	12	3	0	17
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	****	****	****	0	0	0	0
DEFINITE	1	2	0	0	1	0	0	DEFINITE	43	400	0	****	77	0	0	0
UNKNOWN	0	0	1	12	1	0	0	SLOPE	0.122	7.619	-0.516	******	2.246	******	******	-0.539
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.575	1.428	1.273	*****	1.187	*****	*****	0.965
MEN AGED 55-64 AT EXAM																
TOTAL	22	26	25	12	4	7	3	TOTAL	64	53	43	20	7	11	5	35
NO	20	24	20	0	3	5	2	NO	62	56	42	****	6	10	4	29
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	0	0	****	0	0	0	0
DEFINITE	1	1	3	0	1	1	1	DEFINITE	71	77	176	****	56	42	32	191
UNKNOWN	1	0	0	11	0	0	0	SLOPE	0.062	0.178	1.360	******	2.647	1.236	2.576	2.122
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.559	0.605	0.571	*****	1.279	0.954	1.248	0.518

TABLE 18-A-18

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: URINE ALBUMIN

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM																	
	TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
	NO	7	4	5	0	1	0	0	NO	7	4	6	****	2	0	0	4
	POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	0	0	****	0	0	****	0
	DEFINITE	0	0	0	0	0	0	0	DEFINITE	0	0	0	****	0	0	0	0
	UNKNOWN	0	0	0	3	0	0	0	SLOPE	-0.555	-0.521	-0.543	******	******	******	******	-0.552
	NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.748	1.496	1.165	*****	*****	*****	*****	1.273
WOMEN AGED 45-54 AT EXAM																	
	TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
	NO	15	12	6	0	2	2	0	NO	19	15	8	****	2	2	0	4
	POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	0	0	****	0	0	****	0
	DEFINITE	5	0	0	0	0	0	0	DEFINITE	88	0	0	****	0	0	0	0
	UNKNOWN	0	0	0	4	0	0	0	SLOPE	1.479	-0.539	-0.546	******	******	******	******	-0.559
	NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.453	0.875	1.122	*****	*****	*****	*****	1.224
WOMEN AGED 55-64 AT EXAM																	
	TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
	NO	16	21	20	0	9	7	4	NO	40	38	33	****	14	10	6	26
	POSSIBLE	0	1	0	0	0	0	0	POSSIBLE	****	1000	0	****	0	0	0	0
	DEFINITE	2	5	4	0	4	1	0	DEFINITE	83	312	200	****	138	53	0	69
	UNKNOWN	0	0	0	19	0	0	0	SLOPE	0.542	3.448	2.232	******	2.705	1.430	-0.530	0.663
	NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.523	0.605	0.591	*****	0.650	1.011	1.798	0.555

TABLE 18-A-19

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: URINE SUGAR

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM																
TOTAL	11	6	6	2	1	1	0	TOTAL	13	7	7	3	2	3	0	4
NO	9	3	3	1	1	1	0	NO	11	4	4	2	2	3	0	2
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	0	****	0	0	0	****	0
DEFINITE	1	0	1	0	0	0	0	DEFINITE	125	0	200	0	0	0	0	161
UNKNOWN	1	1	0	0	0	0	0	SLOPE	3.237	-0.603	19.770	******	******	******	******	18.205
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	1.398	5.166	3.186	*****	*****	*****	*****	3.066
MEN AGED 45-54 AT EXAM																
TOTAL	25	19	16	13	11	3	0	TOTAL	34	25	22	17	14	4	0	16
NO	24	16	13	10	8	2	0	NO	35	24	22	15	12	3	0	17
POSSIBLE	0	0	0	0	1	0	0	POSSIBLE	0	0	0	0	167	****	0	106
DEFINITE	1	2	1	1	0	0	0	DEFINITE	91	167	83	62	0	0	0	0
UNKNOWN	0	0	1	1	1	0	0	SLOPE	0.262	2.226	1.131	1.398	1.045	******	******	0.218
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.695	0.843	0.926	0.986	1.275	*****	*****	0.893
MEN AGED 55-64 AT EXAM																
TOTAL	22	26	25	12	4	7	3	TOTAL	64	53	43	20	7	11	5	35
NO	20	23	21	10	4	6	3	NO	62	53	43	20	8	12	6	33
POSSIBLE	1	1	0	0	0	0	0	POSSIBLE	111	1000	0	0	0	0	0	0
DEFINITE	0	1	2	1	0	0	0	DEFINITE	0	91	143	77	0	0	0	115
UNKNOWN	1	0	0	0	0	0	0	SLOPE	-0.164	0.739	1.004	1.271	-0.527	-0.529	-0.551	1.049
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.734	0.657	0.629	0.955	1.447	1.130	2.183	0.632

TABLE 18-A-19

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: URINE SUGAR

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM																	
	TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
	NO	6	3	4	2	1	0	0	NO	6	3	5	3	2	0	0	3
	POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	****	****	0	****	****	****	0
	DEFINITE	1	1	1	1	0	0	0	DEFINITE	200	250	250	200	0	0	0	172
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	11.032	33.412	22.981	24.369	******	******	******	19.396
	NO EXAM	0	1	0	0	0	0	0	STD.ERROR	2.417	4.120	3.429	3.534	*****	*****	*****	3.158
WOMEN AGED 45-54 AT EXAM																	
	TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
	NO	20	11	6	4	2	2	0	NO	24	13	8	5	2	2	0	3
	POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	****	0	0	0	0	0	0
	DEFINITE	0	1	0	0	0	0	0	DEFINITE	0	143	0	0	0	0	0	98
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.634	4.614	-0.524	-0.547	******	******	******	10.489
	NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.991	1.602	2.013	2.354	*****	*****	*****	2.349
WOMEN AGED 55-64 AT EXAM																	
	TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
	NO	16	24	21	18	12	8	4	NO	39	44	34	26	17	11	6	26
	POSSIBLE	1	1	0	0	0	0	0	POSSIBLE	200	333	****	0	0	0	0	0
	DEFINITE	1	2	3	1	1	0	0	DEFINITE	111	182	250	143	77	0	0	0
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	1.271	1.830	2.994	1.932	1.533	-0.541	-0.546	-0.544
	NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.791	0.694	0.768	1.119	1.020	1.630	2.672	0.841

TABLE 18-A-20

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: GENERALIZED CARDIAC ENLARGEMENT BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	
MEN AGED 35-44 AT EXAM															
TOTAL	11	6	6	2	1	1	0	13	7	7	3	2	3	0	4
NO	9	4	3	1	1	1	0	11	5	4	2	2	3	0	5
POSSIBLE	0	0	1	0	0	0	0	0	0	59	0	0	0	0	0
DEFINITE	2	0	0	0	0	0	0	143	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	4.170	-0.593	2.827	******	******	******	-0.630
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	1.095	1.575	1.871	*****	*****	*****	1.649
MEN AGED 45-54 AT EXAM															
TOTAL	25	19	16	13	11	3	0	34	25	22	17	14	4	0	16
NO	20	16	13	11	9	1	0	29	24	22	16	13	1	0	15
POSSIBLE	2	1	0	1	0	0	0	105	83	0	77	0	0	0	34
DEFINITE	3	1	1	0	1	1	0	120	59	111	0	59	40	0	79
UNKNOWN	0	0	1	0	0	0	0	SLOPE	1.515	0.916	1.376	0.570	0.921	******	1.693
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.519	0.714	1.004	1.110	0.897	*****	0.684
MEN AGED 55-64 AT EXAM															
TOTAL	22	26	25	12	4	7	3	64	53	43	20	7	11	5	35
NO	17	22	22	9	2	5	2	54	52	47	18	4	10	4	27
POSSIBLE	0	1	0	0	1	0	0	0	100	0	0	38	0	0	0
DEFINITE	5	2	1	2	1	1	1	238	100	45	105	42	53	29	219
UNKNOWN	0	0	0	0	0	0	0	SLOPE	1.296	0.503	-0.125	1.723	2.941	1.280	1.731	2.227
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.443	0.475	0.496	0.766	1.098	0.990	1.100	0.453

TABLE 18-A-20

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: GENERALIZED CARDIAC ENLARGEMENT BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM																	
	TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
	NO	6	2	2	2	0	0	0	NO	6	2	2	2	0	0	0	1
	POSSIBLE	0	0	1	0	1	0	0	POSSIBLE	0	0	71	0	62	0	0	39
	DEFINITE	1	2	2	1	0	0	0	DEFINITE	23	87	154	77	0	0	0	93
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.864	8.962	14.749	9.356	******	******	******	11.372
	NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.874	1.550	1.756	2.229	*****	*****	*****	1.551
WOMEN AGED 45-54 AT EXAM																	
	TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
	NO	14	7	2	1	0	0	0	NO	19	9	3	1	0	0	0	2
	POSSIBLE	2	1	0	0	0	0	0	POSSIBLE	33	31	0	0	0	0	0	0
	DEFINITE	4	4	4	3	2	2	0	DEFINITE	48	82	174	107	49	57	0	51
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.639	2.506	9.425	9.578	******	******	******	4.784
	NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.365	0.592	1.127	1.308	*****	*****	*****	0.953
WOMEN AGED 55-64 AT EXAM																	
	TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
	NO	9	18	18	12	10	6	1	NO	27	36	33	20	17	10	2	12
	POSSIBLE	1	0	2	2	0	0	1	POSSIBLE	34	0	45	44	0	0	13	14
	DEFINITE	8	9	4	5	3	2	2	DEFINITE	119	170	100	98	54	34	25	160
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	1.109	1.351	0.805	1.439	0.598	0.673	2.231	2.515
	NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.330	0.334	0.391	0.422	0.475	0.594	0.772	0.345

TABLE 18-A-21

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEART ENLARGEMENT BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM															
TOTAL	11	6	6	2	1	1	0	TOTAL	13	7	7	3	2	3	0	4
NO	8	2	3	1	1	1	0	NO	10	3	4	2	2	4	0	4
POSSIBLE	0	0	1	0	0	0	0	POSSIBLE	0	0	24	0	0	0	0	0
DEFINITE	3	2	0	0	0	0	0	DEFINITE	47	38	0	0	0	0	0	27
UNKNOWN	0	0	0	0	0	0	0	SLOPE	1.261	3.107	0.992	******	******	******	******	1.765
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.559	0.968	1.310	*****	*****	*****	*****	1.099
MEN AGED 45-54 AT EXAM															
TOTAL	25	19	16	13	11	3	0	TOTAL	34	25	22	17	14	4	0	16
NO	13	12	10	9	3	1	0	NO	22	20	18	14	5	2	0	10
POSSIBLE	2	2	1	2	1	0	0	POSSIBLE	87	51	26	56	17	0	0	29
DEFINITE	10	4	3	1	6	1	0	DEFINITE	81	80	81	48	136	20	0	94
UNKNOWN	0	0	1	0	0	0	0	SLOPE	0.922	1.194	1.220	1.403	4.115	******	******	2.229
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.270	0.433	0.523	0.728	0.613	*****	*****	0.427
MEN AGED 55-64 AT EXAM															
TOTAL	22	26	25	12	4	7	3	TOTAL	64	53	43	20	7	11	5	35
NO	13	18	16	8	2	2	2	NO	52	52	39	18	5	5	5	21
POSSIBLE	1	2	2	0	1	2	0	POSSIBLE	59	45	47	0	16	27	0	41
DEFINITE	8	5	5	3	1	2	1	DEFINITE	101	83	102	64	17	29	12	112
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.398	0.247	0.642	0.775	0.927	1.241	0.406	1.224
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.262	0.291	0.340	0.500	0.750	0.584	0.783	0.293

TABLE 18-A-21

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEART ENLARGEMENT BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM																
TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
NO	6	2	2	2	0	0	0	NO	6	2	2	3	0	0	0	1
POSSIBLE	0	0	1	0	1	0	0	POSSIBLE	0	0	34	0	43	0	0	28
DEFINITE	1	2	2	1	0	0	0	DEFINITE	12	32	91	40	0	0	0	45
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.268	3.363	7.919	4.704	******	******	******	5.745
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.678	0.999	1.312	1.625	*****	*****	*****	1.129
WOMEN AGED 45-54 AT EXAM																
TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
NO	12	5	1	1	0	0	0	NO	19	8	2	1	0	0	0	2
POSSIBLE	2	2	0	0	0	0	0	POSSIBLE	33	28	0	0	0	0	0	0
DEFINITE	6	5	5	3	2	2	0	DEFINITE	34	38	77	61	29	31	0	23
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.343	1.107	4.104	4.932	******	******	******	2.164
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.279	0.392	0.700	0.973	*****	*****	*****	0.693
WOMEN AGED 55-64 AT EXAM																
TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
NO	7	8	7	7	5	3	0	NO	28	23	17	14	11	7	0	4
POSSIBLE	1	2	6	5	2	0	2	POSSIBLE	29	26	58	44	13	0	13	26
DEFINITE	10	17	11	7	6	5	2	DEFINITE	69	117	96	69	47	36	13	92
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.508	0.999	1.114	1.089	0.869	1.089	1.396	1.670
NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.260	0.232	0.269	0.321	0.362	0.449	0.625	0.260

TABLE 18-A-22

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: LEFT VENTRICULAR HYPERTROPHY BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 35-44 AT EXAM																
TOTAL	11	6	6	2	1	1	0	TOTAL	13	7	7	3	2	3	0	4
NO	9	2	4	1	1	1	0	NO	11	3	5	2	2	3	0	4
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	0	0	0	0	0	0	0
DEFINITE	2	2	0	0	0	0	0	DEFINITE	35	53	0	0	0	0	****	41
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.792	4.475	-0.724	******	******	******	******	3.044
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.590	1.128	1.758	*****	*****	*****	*****	1.354
MEN AGED 45-54 AT EXAM																
TOTAL	25	19	16	13	11	3	0	TOTAL	34	25	22	17	14	4	0	16
NO	14	13	10	10	4	2	0	NO	24	21	18	15	6	3	0	9
POSSIBLE	3	1	1	1	1	0	0	POSSIBLE	176	37	36	42	32	0	0	95
DEFINITE	8	4	3	1	5	0	0	DEFINITE	68	98	103	71	179	0	0	89
UNKNOWN	0	0	1	0	0	0	0	SLOPE	0.777	1.402	1.744	1.625	5.748	******	******	2.724
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.275	0.478	0.588	0.880	0.767	*****	*****	0.490
MEN AGED 55-64 AT EXAM																
TOTAL	22	26	25	12	4	7	3	TOTAL	64	53	43	20	7	11	5	35
NO	14	18	16	10	4	3	3	NO	54	50	36	22	9	7	6	26
POSSIBLE	1	2	2	0	0	2	0	POSSIBLE	77	50	62	0	0	40	0	60
DEFINITE	7	5	5	1	0	1	0	DEFINITE	97	104	172	32	0	20	0	94
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.361	0.446	1.398	0.015	-0.683	1.010	-0.705	0.994
NO EXAM	0	1	2	1	0	1	0	STD.ERROR	0.270	0.316	0.421	0.592	0.919	0.659	0.938	0.335

TABLE 18-A-22

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: LEFT VENTRICULAR HYPERTROPHY BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 35-44 AT EXAM																	
	TOTAL	7	5	5	3	1	0	0	TOTAL	6	4	5	3	1	0	0	4
	NO	7	4	5	3	1	0	0	NO	7	4	6	4	2	0	0	4
	POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	0	0	0	0	0	0	0
	DEFINITE	0	0	0	0	0	0	0	DEFINITE	0	0	0	0	0	0	0	0
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.612	-0.578	-0.646	-0.549	******	******	******	-0.588
	NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.761	1.204	1.789	2.325	*****	*****	*****	1.398
WOMEN AGED 45-54 AT EXAM																	
	TOTAL	20	12	7	4	2	2	0	TOTAL	23	13	7	4	2	2	0	4
	NO	15	9	5	4	2	2	0	NO	22	13	7	5	2	2	0	5
	POSSIBLE	1	2	0	0	0	0	0	POSSIBLE	26	42	0	0	0	0	0	0
	DEFINITE	4	1	1	0	0	0	0	DEFINITE	27	10	23	0	0	0	0	0
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.108	0.110	0.612	-0.710	******	******	******	-0.646
	NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.296	0.441	0.811	1.335	*****	*****	*****	0.838
WOMEN AGED 55-64 AT EXAM																	
	TOTAL	18	27	26	22	15	9	4	TOTAL	41	44	36	27	18	11	5	25
	NO	10	15	13	13	8	5	3	NO	36	38	26	22	14	9	5	19
	POSSIBLE	0	3	4	3	2	0	1	POSSIBLE	0	48	65	43	26	0	14	34
	DEFINITE	8	9	7	3	3	3	0	DEFINITE	62	83	91	56	41	38	0	59
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.300	0.473	0.911	0.682	0.731	1.015	-0.120	0.772
	NO EXAM	0	0	2	3	2	1	0	STD.ERROR	0.266	0.248	0.305	0.400	0.431	0.539	0.780	0.298

TABLE 18-B-1

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: ALCOHOL CONSUMED (OUNCES PER MONTH)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 29-34 AT EXAM															
TOTAL	3	2	0					TOTAL	8	11	0				8
NONE	0	0	0					NONE	****	0	****				0
000-009	0	1	0					000-009	****	17	****				0
010-019	0	0	0					010-019	****	0	****				0
020-029	0	0	0					020-029	****	0	****				0
030-039	0	1	0					030-039	****	56	****				0
040-049	0	0	0					040-049	****	0	****				0
050-059	0	0	0					050-059	****	0	****				0
060-069	0	0	0					060-069	****	0	****				0
070-079	0	0	0					070-079	****	0	****				0
080-372	0	0	0					080-372	****	0	****				0
UNKNOWN	3	0	0					SLOPE	******	******	******				******
NO EXAM	0	0	0					STD.ERROR	*****	*****	*****				*****
MEN AGED 35-39 AT EXAM															
TOTAL	3	0	2	1	1	0		TOTAL	7	0	5	4	10		6
NONE	0	0	0	0	0	0		NONE	****	0	****	0	****		0
000-009	0	0	0	1	0	0		000-009	****	0	****	11	****		0
010-019	0	0	0	0	0	0		010-019	****	0	****	0	****		0
020-029	0	0	0	0	0	0		020-029	****	0	****	0	****		0
030-039	0	0	0	0	0	0		030-039	****	0	****	0	****		74
040-049	0	0	0	0	0	0		040-049	****	0	****	0	****		0
050-059	0	0	0	0	0	0		050-059	****	0	****	0	****		0
060-069	0	0	0	0	0	0		060-069	****	0	****	0	****		0
070-079	0	0	0	0	0	0		070-079	****	0	****	0	****		0
080-372	0	0	0	0	0	0		080-372	****	0	****	0	****		0
UNKNOWN	3	0	2	0	1	0		SLOPE	******	******	******	******	******		******
NO EXAM	0	0	0	0	0	0		STD.ERROR	*****	*****	*****	*****	*****		*****
MEN AGED 40-44 AT EXAM															
TOTAL	8	6	4	1	0	1	0	TOTAL	19	15	9	2	0	3	0	4
NONE	0	0	0	0	0	0	0	NONE	****	0	****	0	****	****	0	0
000-009	0	2	0	0	0	0	0	000-009	****	18	****	0	****	****	0	15
010-019	0	0	0	0	0	0	0	010-019	****	0	****	0	****	****	0	0
020-029	0	0	0	0	0	0	0	020-029	****	0	****	0	****	****	0	0
030-039	0	0	0	0	0	0	0	030-039	****	0	****	0	****	****	0	0
040-049	0	0	0	0	0	0	0	040-049	****	0	****	0	****	****	0	0
050-059	0	1	0	0	0	0	0	050-059	****	83	****	0	****	****	0	0
060-069	0	0	0	0	0	0	0	060-069	****	0	****	0	****	****	0	0
070-079	0	1	0	0	0	0	0	070-079	****	250	****	0	****	****	0	0
080-372	0	0	0	0	0	0	0	080-372	****	0	****	0	****	****	0	0
UNKNOWN	8	0	2	0	0	1	0	SLOPE	******	0.004	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	*****	0.012	*****	*****	*****	*****	*****	*****

TABLE 18-B-1

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: ALCOHOL CONSUMED (OUNCES PER MONTH)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 45-49 AT EXAM																
TOTAL	9	8	8	6	5	1	0	TOTAL	25	20	20	15	12	2	0	9
NONE	0	2	0	1	0	0	0	NONE	****	30	****	18	****	****	0	0
000-009	0	2	0	0	0	0	0	000-009	****	17	****	0	****	****	0	0
010-019	0	0	0	0	0	0	0	010-019	****	0	****	0	****	****	0	0
020-029	0	0	0	0	0	0	0	020-029	****	0	****	0	****	****	0	0
030-039	0	0	0	0	0	0	0	030-039	****	0	****	0	****	****	0	0
040-049	0	0	0	1	0	0	0	040-049	****	0	****	45	****	****	0	38
050-059	0	1	0	0	0	0	0	050-059	****	71	****	0	****	****	0	0
060-069	0	1	0	0	0	0	0	060-069	****	56	****	0	****	****	0	45
070-079	0	0	0	0	0	0	0	070-079	****	0	****	0	****	****	0	0
080-372	0	1	0	3	0	0	0	080-372	****	45	****	88	****	****	0	25
UNKNOWN	9	0	7	0	4	0	0	SLOPE	******	0.009	******	0.022	******	******	******	0.025
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	*****	0.012	*****	0.011	*****	*****	*****	0.015
MEN AGED 50-54 AT EXAM																
TOTAL	16	11	8	7	6	2	0	TOTAL	43	32	24	18	15	5	0	25
NONE	0	2	0	2	0	0	0	NONE	****	29	****	29	****	****	0	13
000-009	0	4	0	3	0	0	0	000-009	****	44	****	31	****	****	0	27
010-019	0	2	0	0	0	0	0	010-019	****	62	****	0	****	****	0	22
020-029	0	0	0	1	0	0	0	020-029	****	0	****	37	****	****	0	0
030-039	0	2	0	1	0	0	0	030-039	****	62	****	33	****	****	0	28
040-049	0	1	0	0	0	0	0	040-049	****	62	****	0	****	****	0	0
050-059	0	0	0	0	0	0	0	050-059	****	0	****	0	****	****	0	0
060-069	0	0	0	0	0	0	0	060-069	****	0	****	0	****	****	0	0
070-079	0	0	0	0	0	0	0	070-079	****	0	****	0	****	****	0	0
080-372	0	0	0	0	0	0	0	080-372	****	0	****	0	****	****	0	52
UNKNOWN	16	0	8	0	6	2	0	SLOPE	******	-0.009	******	-0.011	******	******	******	0.001
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	*****	0.008	*****	0.009	*****	*****	*****	0.009
MEN AGED 55-59 AT EXAM																
TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
NONE	0	6	0	0	0	0	1	NONE	****	87	****	0	****	****	18	66
000-009	0	2	0	1	0	0	1	000-009	****	21	****	13	****	****	13	29
010-019	0	0	0	1	0	0	0	010-019	****	0	****	40	****	****	0	30
020-029	0	0	0	0	0	0	0	020-029	****	0	****	0	****	****	0	0
030-039	0	2	0	1	0	0	0	030-039	****	83	****	50	****	****	0	117
040-049	0	0	0	0	0	0	1	040-049	****	0	****	0	****	****	56	93
050-059	0	1	0	0	0	0	0	050-059	****	100	****	0	****	****	0	116
060-069	0	0	0	0	0	0	0	060-069	****	0	****	0	****	****	0	0
070-079	0	0	0	0	0	0	0	070-079	****	0	****	0	****	****	0	0
080-372	0	3	0	0	0	0	0	080-372	****	115	****	0	****	****	0	0
UNKNOWN	18	0	9	0	2	5	0	SLOPE	******	0.009	******	-0.006	******	******	-0.012	-0.006
NO EXAM	0	1	1	0	0	0	0	STD.ERROR	*****	0.007	*****	0.015	*****	*****	0.016	0.007

TABLE 18-B-1

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: ALCOHOL CONSUMED (OUNCES PER MONTH)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
NONE	0	0	0	4	0	0	0	NONE	****	0	****	66	****	****	0	66
000-009	0	5	0	1	0	0	0	000-009	****	102	****	13	****	****	0	24
010-019	0	2	0	1	0	0	0	010-019	****	133	****	42	****	****	0	37
020-029	0	0	0	0	0	0	0	020-029	****	0	****	0	****	****	0	0
030-039	0	2	0	0	0	0	0	030-039	****	167	****	0	****	****	0	0
040-049	0	1	0	0	0	0	0	040-049	****	143	****	0	****	****	0	0
050-059	0	0	0	0	0	0	0	050-059	****	0	****	0	****	****	0	0
060-069	0	0	0	0	0	0	0	060-069	****	0	****	0	****	****	0	0
070-079	0	0	0	0	0	0	0	070-079	****	0	****	0	****	****	0	0
080-372	0	1	0	2	0	0	0	080-372	****	111	****	143	****	****	0	105
UNKNOWN	4	0	14	0	2	1	0	SLOPE	******	0.001	******	0.004	******	******	******	0.001
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	*****	0.008	*****	0.011	*****	*****	*****	0.009
MEN AGED 65-69 AT EXAM																
TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
NONE		0	0	1	0	0	0	NONE				38	****	****	0	62
000-009		0	0	5	0	0	0	000-009				217	****	****	0	98
010-019		0	0	0	0	0	0	010-019				0	****	****	0	0
020-029		0	0	0	0	0	0	020-029				0	****	****	0	0
030-039		0	0	0	0	0	0	030-039				0	****	****	0	96
040-049		0	0	1	0	0	0	040-049				333	****	****	0	0
050-059		0	0	0	0	0	0	050-059				0	****	****	0	0
060-069		0	0	0	0	0	0	060-069				0	****	****	0	0
070-079		0	0	0	0	0	0	070-079				0	****	****	0	0
080-372		0	0	1	0	0	0	080-372				100	****	****	0	167
UNKNOWN		0	2	0	9	2	0	SLOPE				-0.003	******	******	******	0.001
NO EXAM		0	1	0	0	1	0	STD.ERROR				0.007	*****	*****	*****	0.008
MEN AGED 70-74 AT EXAM																
TOTAL					1	1	0	TOTAL						20	0	60
NONE					0	0	0	NONE						****	0	0
000-009					0	0	0	000-009						****	0	161
010-019					0	0	0	010-019						****	0	0
020-029					0	0	0	020-029						****	0	0
030-039					0	0	0	030-039						****	0	0
040-049					0	0	0	040-049						****	0	1000
050-059					0	0	0	050-059						****	0	0
060-069					0	0	0	060-069						****	0	0
070-079					0	0	0	070-079						****	0	0
080-372					0	0	0	080-372						****	0	0
UNKNOWN					1	1	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-1

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: ALCOHOL CONSUMED (OUNCES PER MONTH)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 29-34 AT EXAM															
TOTAL	0	0	0					TOTAL	0	0					0
NONE	0	0	0					NONE	****	0	****				0
000-009	0	0	0					000-009	****	0	****				0
010-019	0	0	0					010-019	****	0	****				0
020-029	0	0	0					020-029	****	0	****				0
030-039	0	0	0					030-039	****	0	****				0
040-049	0	0	0					040-049	****	0	****				0
050-059	0	0	0					050-059	****	****	****				*****
060-069	0	0	0					060-069	****	0	****				0
070-079	0	0	0					070-079	****	****	****				*****
080-372	0	0	0					080-372	****	0	****				0
UNKNOWN	0	0	0					SLOPE	******	******	******				******
NO EXAM	0	0	0					STD.ERROR	*****	*****	*****				*****
WOMEN AGED 35-39 AT EXAM															
TOTAL	4	1	1	0	0	0		TOTAL	7	2	2	0	0		0
NONE	0	0	0	0	0	0		NONE	****	0	****	0	****		0
000-009	0	0	0	0	0	0		000-009	****	0	****	0	****		0
010-019	0	1	0	0	0	0		010-019	****	17	****	0	****		0
020-029	0	0	0	0	0	0		020-029	****	0	****	0	****		0
030-039	0	0	0	0	0	0		030-039	****	0	****	0	****		0
040-049	0	0	0	0	0	0		040-049	****	0	****	0	****		0
050-059	0	0	0	0	0	0		050-059	****	0	****	0	****		0
060-069	0	0	0	0	0	0		060-069	****	0	****	0	****		0
070-079	0	0	0	0	0	0		070-079	****	0	****	****	****		0
080-372	0	0	0	0	0	0		080-372	****	0	****	0	****		0
UNKNOWN	4	0	1	0	0	0		SLOPE	******	******	******	******	******		******
NO EXAM	0	0	0	0	0	0		STD.ERROR	*****	*****	*****	*****	*****		*****
WOMEN AGED 40-44 AT EXAM															
TOTAL	3	4	4	3	1	0	0	TOTAL	6	7	7	5	2	0	0	6
NONE	0	2	0	0	0	0	0	NONE	****	11	****	0	****	****	0	6
000-009	0	1	0	2	0	0	0	000-009	****	5	****	8	****	****	0	9
010-019	0	0	0	0	0	0	0	010-019	****	0	****	0	****	****	0	0
020-029	0	0	0	1	0	0	0	020-029	****	0	****	56	****	****	0	38
030-039	0	0	0	0	0	0	0	030-039	****	0	****	0	****	****	0	0
040-049	0	0	0	0	0	0	0	040-049	****	0	****	0	****	****	0	0
050-059	0	0	0	0	0	0	0	050-059	****	0	****	0	****	****	0	0
060-069	0	0	0	0	0	0	0	060-069	****	0	****	0	****	****	0	0
070-079	0	0	0	0	0	0	0	070-079	****	0	****	0	****	****	0	0
080-372	0	0	0	0	0	0	0	080-372	****	0	****	0	****	****	0	0
UNKNOWN	3	0	4	0	1	0	0	SLOPE	******	-0.024	******	0.002	******	******	******	-0.007
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	*****	0.031	*****	0.035	*****	*****	*****	0.026

TABLE 18-B-1

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: ALCOHOL CONSUMED (OUNCES PER MONTH)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 45-49 AT EXAM																
TOTAL	5	4	1	1	1	1	0	TOTAL	11	9	2	2	2	2	0	3
NONE	0	3	0	0	0	0	0	NONE	****	17	****	0	****	****	0	6
000-009	0	1	0	1	0	0	0	000-009	****	6	****	5	****	****	0	4
010-019	0	0	0	0	0	0	0	010-019	****	0	****	0	****	****	0	0
020-029	0	0	0	0	0	0	0	020-029	****	0	****	0	****	****	0	0
030-039	0	0	0	0	0	0	0	030-039	****	0	****	0	****	****	0	0
040-049	0	0	0	0	0	0	0	040-049	****	0	****	0	****	****	0	0
050-059	0	0	0	0	0	0	0	050-059	****	0	****	0	****	****	0	0
060-069	0	0	0	0	0	0	0	060-069	****	0	****	0	****	****	0	0
070-079	0	0	0	0	0	0	0	070-079	****	0	****	0	****	****	0	0
080-372	0	0	0	0	0	0	0	080-372	****	0	****	0	****	****	0	0
UNKNOWN	5	0	1	0	1	1	0	SLOPE	******	-0.021	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	*****	0.031	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM																
TOTAL	15	8	6	3	1	1	0	TOTAL	35	18	14	7	2	2	0	5
NONE	0	3	0	3	0	0	0	NONE	****	15	****	17	****	****	0	5
000-009	0	3	0	0	0	0	0	000-009	****	21	****	0	****	****	0	10
010-019	0	0	0	0	0	0	0	010-019	****	0	****	0	****	****	0	0
020-029	0	0	0	0	0	0	0	020-029	****	0	****	0	****	****	0	0
030-039	0	1	0	0	0	0	0	030-039	****	67	****	0	****	****	0	0
040-049	0	1	0	0	0	0	0	040-049	****	143	****	0	****	****	0	0
050-059	0	0	0	0	0	0	0	050-059	****	0	****	0	****	****	0	0
060-069	0	0	0	0	0	0	0	060-069	****	0	****	0	****	****	0	0
070-079	0	0	0	0	0	0	0	070-079	****	****	****	0	****	****	0	0
080-372	0	0	0	0	0	0	0	080-372	****	0	****	0	****	****	0	0
UNKNOWN	15	0	5	0	1	1	0	SLOPE	******	0.033	******	-0.019	******	******	******	-0.016
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	*****	0.031	*****	0.027	*****	*****	*****	0.031
WOMEN AGED 55-59 AT EXAM																
TOTAL	15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
NONE	0	13	0	3	0	0	0	NONE	****	65	****	16	****	****	0	27
000-009	0	3	0	5	0	0	0	000-009	****	24	****	39	****	****	0	6
010-019	0	0	0	0	0	0	0	010-019	****	0	****	0	****	****	0	0
020-029	0	1	0	1	0	0	0	020-029	****	77	****	71	****	****	0	58
030-039	0	0	0	0	0	0	0	030-039	****	0	****	0	****	****	0	0
040-049	0	0	0	0	0	0	0	040-049	****	0	****	0	****	****	0	0
050-059	0	0	0	0	0	0	0	050-059	****	0	****	0	****	****	0	0
060-069	0	1	0	0	0	0	0	060-069	****	1000	****	0	****	****	0	0
070-079	0	0	0	0	0	0	0	070-079	****	0	****	0	****	****	0	0
080-372	0	0	0	0	0	0	0	080-372	****	0	****	0	****	****	0	0
UNKNOWN	15	0	15	0	6	2	0	SLOPE	******	0.000	******	-0.011	******	******	******	-0.016
NO EXAM	0	0	1	1	0	0	0	STD.ERROR	*****	0.020	*****	0.024	*****	*****	*****	0.022

TABLE 18-B-1

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: ALCOHOL CONSUMED (OUNCES PER MONTH)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 60-64 AT EXAM																
TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
NONE	0	6	0	7	0	0	1	NONE	****	57	****	38	****	****	6	31
000-009	0	2	0	2	0	0	2	000-009	****	33	****	21	****	****	14	32
010-019	0	0	0	0	0	0	0	010-019	****	0	****	0	****	****	0	0
020-029	0	1	0	0	0	0	0	020-029	****	143	****	0	****	****	0	149
030-039	0	0	0	0	0	0	1	030-039	****	0	****	0	****	****	62	85
040-049	0	0	0	0	0	0	0	040-049	****	****	****	0	****	****	0	0
050-059	0	0	0	0	0	0	0	050-059	****	0	****	0	****	****	0	0
060-069	0	0	0	0	0	0	0	060-069	****	****	****	0	****	****	0	0
070-079	0	0	0	0	0	0	0	070-079	****	0	****	****	****	****	****	0
080-372	0	0	0	0	0	0	0	080-372	****	0	****	0	****	****	0	0
UNKNOWN	3	0	9	1	7	6	0	SLOPE	******	-0.008	******	-0.022	******	******	0.003	-0.000
NO EXAM	0	0	1	2	2	1	0	STD.ERROR	*****	0.018	*****	0.023	*****	*****	0.030	0.018
WOMEN AGED 65-69 AT EXAM																
TOTAL		0	1	3	6	3	2	TOTAL				24	24	9	6	47
NONE		0	0	2	0	0	2	NONE				32	****	****	14	78
000-009		0	0	0	0	0	0	000-009				0	****	****	0	19
010-019		0	0	0	0	0	0	010-019				0	****	****	0	0
020-029		0	0	0	0	0	0	020-029				0	****	****	0	0
030-039		0	0	0	0	0	0	030-039				0	****	****	0	0
040-049		0	0	0	0	0	0	040-049				****	****	****	0	0
050-059		0	0	0	0	0	0	050-059				0	****	****	****	0
060-069		0	0	0	0	0	0	060-069				0	****	****	0	0
070-079		0	0	0	0	0	0	070-079				****	****	****	0	0
080-372		0	0	0	0	0	0	080-372				****	****	****	****	0
UNKNOWN		0	1	0	5	3	0	SLOPE				******	******	******	******	-0.026
NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	*****	*****	*****	0.024
WOMEN AGED 70-74 AT EXAM																
TOTAL					0	1	0	TOTAL						17	0	21
NONE					0	0	0	NONE						****	0	45
000-009					0	0	0	000-009						****	0	0
010-019					0	0	0	010-019						****	0	0
020-029					0	0	0	020-029						****	0	0
030-039					0	0	0	030-039						****	0	0
040-049					0	0	0	040-049						****	0	0
050-059					0	0	0	050-059						****	0	0
060-069					0	0	0	060-069						****	****	*****
070-079					0	0	0	070-079						****	0	0
080-372					0	0	0	080-372						****	****	*****
UNKNOWN					0	1	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-2

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD PRESSURE, FIRST EXAMINER, SYSTOLIC (MM HG)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 29-34 AT EXAM															
TOTAL	3	2	0					TOTAL	8	11	0				8
080-109	0	0	0					080-109	0	0	0				0
110-119	0	0	0					110-119	0	0	0				0
120-129	1	0	0					120-129	10	0	0				0
130-139	0	1	0					130-139	0	32	0				0
140-149	0	1	0					140-149	0	62	0				0
150-159	1	0	0					150-159	33	0	****				0
160-169	0	0	0					160-169	0	0	****				0
170-179	0	0	0					170-179	0	****	0				0
180-189	0	0	0					180-189	0	****	****				0
190-300	1	0	0					190-300	500	****	****				2500
UNKNOWN	0	0	0					SLOPE	0.182	******	******				******
NO EXAM	0	0	0					STD.ERROR	0.037	*****	*****				*****
MEN AGED 35-39 AT EXAM															
TOTAL	3	0	2	1	1	0		TOTAL	7	0	5	4	10		6
080-109	0	0	0	0	0	0		080-109	0	0	0	0	0		0
110-119	0	0	1	1	0	0		110-119	0	0	12	19	0		0
120-129	0	0	0	0	1	0		120-129	0	0	0	0	38		0
130-139	0	0	0	0	0	0		130-139	0	0	0	0	0		0
140-149	1	0	0	0	0	0		140-149	16	0	0	0	0		27
150-159	0	0	0	0	0	0		150-159	0	0	0	0	0		0
160-169	1	0	0	0	0	0		160-169	40	0	0	0	****		0
170-179	0	0	1	0	0	0		170-179	0	0	1000	0	0		263
180-189	1	0	0	0	0	0		180-189	333	0	0	0	****		0
190-300	0	0	0	0	0	0		190-300	0	0	****	0	****		0
UNKNOWN	0	0	0	0	0	0		SLOPE	0.116	******	******	******	******		******
NO EXAM	0	0	0	0	0	0		STD.ERROR	0.035	*****	*****	*****	*****		*****
MEN AGED 40-44 AT EXAM															
TOTAL	8	6	4	1	0	1	0	TOTAL	19	15	9	2	0	3	0	4
080-109	0	0	0	0	0	0	0	080-109	0	0	0	0	0	0	0	0
110-119	0	0	0	0	0	0	0	110-119	0	0	0	0	0	0	0	0
120-129	0	1	1	0	0	0	0	120-129	0	11	10	0	0	0	0	0
130-139	1	1	0	0	0	1	0	130-139	9	12	0	0	0	12	0	8
140-149	2	0	0	0	0	0	0	140-149	22	0	0	0	0	0	0	0
150-159	3	0	0	0	0	0	0	150-159	103	0	0	0	0	0	0	0
160-169	0	0	0	0	0	0	0	160-169	0	0	0	0	0	0	0	0
170-179	1	1	1	0	0	0	0	170-179	71	200	143	0	0	0	0	0
180-189	0	0	0	0	0	0	0	180-189	0	0	0	0	0	0	0	0
190-300	1	1	0	0	0	0	0	190-300	167	250	0	0	0	0	****	313
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.073	0.106	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.020	0.030	*****	*****	*****	*****	*****	*****

TABLE 18-B-2

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD PRESSURE, FIRST EXAMINER, SYSTOLIC (MM HG)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 45-49 AT EXAM																
TOTAL	9	8	8	6	5	1	0	TOTAL	25	20	20	15	12	2	0	9
080-109	0	0	1	0	0	0	0	080-109	0	0	34	0	0	0	0	0
110-119	2	0	0	0	0	0	0	110-119	42	0	0	0	0	0	0	0
120-129	2	1	1	0	1	0	0	120-129	26	11	12	0	13	0	0	9
130-139	1	2	0	1	1	0	0	130-139	15	23	0	12	14	0	0	0
140-149	1	1	2	0	0	0	0	140-149	16	22	49	0	0	0	0	0
150-159	0	1	1	0	1	0	0	150-159	0	32	43	0	29	0	0	45
160-169	2	1	1	3	1	0	0	160-169	111	91	56	300	56	0	0	52
170-179	0	0	0	0	0	0	0	170-179	0	0	0	0	0	0	0	0
180-189	0	0	1	1	0	0	0	180-189	0	0	333	167	0	0	0	0
190-300	1	1	0	0	0	0	0	190-300	83	333	0	0	****	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.011	0.071	0.047	0.090	0.042	******	******	0.046
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.016	0.022	0.021	0.024	0.028	*****	*****	0.027
MEN AGED 50-54 AT EXAM																
TOTAL	16	11	8	7	6	2	0	TOTAL	43	32	24	18	15	5	0	25
080-109	0	1	1	1	0	0	0	080-109	0	37	53	43	0	0	0	0
110-119	1	0	0	0	0	0	0	110-119	26	0	0	0	0	0	0	0
120-129	1	1	1	1	0	1	0	120-129	14	17	15	12	0	15	0	0
130-139	1	1	0	0	1	0	0	130-139	14	14	0	0	12	0	0	0
140-149	2	2	1	3	1	0	0	140-149	32	41	23	77	19	0	0	30
150-159	1	0	2	0	0	1	0	150-159	27	0	80	0	0	24	0	69
160-169	4	3	1	2	1	0	0	160-169	111	176	111	111	50	0	0	144
170-179	1	0	0	0	0	0	0	170-179	59	0	0	0	0	0	0	0
180-189	1	0	1	0	1	0	0	180-189	91	0	333	0	167	0	0	104
190-300	4	3	1	0	2	0	0	190-300	308	273	143	0	222	0	0	259
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.053	0.052	0.038	0.010	0.083	******	******	0.076
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.012	0.014	0.017	0.019	0.020	*****	*****	0.013
MEN AGED 55-59 AT EXAM																
TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
080-109	0	0	1	0	1	1	1	080-109	0	0	40	0	56	53	62	83
110-119	0	0	0	0	0	1	0	110-119	0	0	0	0	0	27	0	20
120-129	2	2	3	0	0	0	0	120-129	43	41	46	0	0	0	0	13
130-139	4	0	0	0	0	0	1	130-139	73	0	0	0	0	0	15	24
140-149	1	2	0	0	0	1	0	140-149	22	49	0	0	0	22	0	34
150-159	1	2	2	0	0	0	0	150-159	28	83	71	0	0	0	0	0
160-169	3	1	1	0	0	0	0	160-169	167	43	53	0	0	0	0	35
170-179	2	1	0	2	0	0	0	170-179	111	77	0	167	0	0	0	54
180-189	0	2	0	0	0	0	0	180-189	0	286	0	0	0	0	0	0
190-300	5	4	2	1	1	2	1	190-300	312	235	182	143	83	222	167	321
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.039	0.053	0.029	0.116	******	0.030	0.020	0.036
NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.010	0.011	0.015	0.027	*****	0.019	0.027	0.011

TABLE 18-B-2

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD PRESSURE, FIRST EXAMINER, SYSTOLIC (MM HG)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
080-109	1	1	1	0	0	0	0	080-109	1000	100	59	0	0	0	0	0
110-119	1	3	0	1	0	0	0	110-119	500	200	0	30	0	0	0	30
120-129	1	2	3	1	0	0	0	120-129	143	69	88	21	0	0	0	40
130-139	0	1	1	0	1	0	0	130-139	0	42	26	0	18	0	0	0
140-149	1	0	2	1	0	0	0	140-149	71	0	83	31	0	0	0	23
150-159	0	2	1	1	1	1	0	150-159	0	100	48	36	40	29	0	30
160-169	0	0	2	0	0	0	0	160-169	0	0	154	0	0	0	0	50
170-179	0	0	1	1	0	0	0	170-179	0	0	167	45	0	0	0	0
180-189	0	0	1	1	0	0	0	180-189	0	0	111	125	0	0	0	104
190-300	0	2	2	2	0	0	0	190-300	0	143	133	182	0	0	0	127
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.052	-0.005	0.020	0.033	******	******	******	0.020
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	0.020	0.011	0.010	0.014	*****	*****	*****	0.013
MEN AGED 65-69 AT EXAM																
TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
080-109		0	0	1	1	0	0	080-109				200	111	0	0	0
110-119		0	0	0	2	1	0	110-119				0	125	45	0	167
120-129		0	1	1	0	0	0	120-129				71	0	0	0	51
130-139		0	0	0	1	0	0	130-139				0	28	0	0	36
140-149		0	0	3	0	0	0	140-149				187	0	0	0	0
150-159		0	1	1	2	0	0	150-159				100	100	0	0	132
160-169		0	0	1	1	1	0	160-169				200	100	48	0	185
170-179		0	0	0	1	0	0	170-179				0	143	0	0	0
180-189		0	0	1	0	0	0	180-189				143	0	0	0	0
190-300		0	0	0	1	0	0	190-300				0	111	0	0	0
UNKNOWN		0	0	0	0	0	0	SLOPE				-0.000	0.012	******	******	-0.005
NO EXAM		0	1	0	0	1	0	STD.ERROR				0.014	0.014	*****	*****	0.014
MEN AGED 70-74 AT EXAM																
TOTAL					1	1	0	TOTAL						20	0	60
080-109					0	0	0	080-109						0	0	0
110-119					1	0	0	110-119						0	0	500
120-129					0	0	0	120-129						0	0	0
130-139					0	0	0	130-139						0	0	0
140-149					0	0	0	140-149						0	0	0
150-159					0	0	0	150-159						0	0	0
160-169					0	0	0	160-169						0	0	0
170-179					0	1	0	170-179						500	0	714
180-189					0	0	0	180-189						0	0	0
190-300					0	0	0	190-300						0	0	0
UNKNOWN					0	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-2

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD PRESSURE, FIRST EXAMINER, SYSTOLIC (MM HG)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 29-34 AT EXAM															
TOTAL	0	0	0					0	0	0					0
080-109	0	0	0					0	0	0					0
110-119	0	0	0					0	0	0					0
120-129	0	0	0					0	0	0					0
130-139	0	0	0					0	0	0					0
140-149	0	0	0					0	0	0					0
150-159	0	0	0					0	0	****					0
160-169	0	0	0					0	****	****					0
170-179	0	0	0					****	0	****					0
180-189	0	0	0					0	****	****					0
190-300	0	0	0					0	****	****					0
UNKNOWN	0	0	0					******	******	******					******
NO EXAM	0	0	0					*****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM															
TOTAL	4	1	1	0	0	0		7	2	2	0	0			0
080-109	3	1	1	0	0	0		55	9	8	0	0			0
110-119	0	0	0	0	0	0		0	0	0	0	0			0
120-129	0	0	0	0	0	0		0	0	0	0	0			0
130-139	0	0	0	0	0	0		0	0	0	0	0			0
140-149	1	0	0	0	0	0		18	0	0	0	0			0
150-159	0	0	0	0	0	0		0	0	0	0	0			0
160-169	0	0	0	0	0	0		0	****	0	0	****			0
170-179	0	0	0	0	0	0		0	****	****	0	****			0
180-189	0	0	0	0	0	0		0	0	****	0	****			0
190-300	0	0	0	0	0	0		0	****	0	0	****			0
UNKNOWN	0	0	0	0	0	0		-0.059	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		0.031	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM															
TOTAL	3	4	4	3	1	0	0	6	7	7	5	2	0	0	6
080-109	0	1	1	1	0	0	0	0	12	9	11	0	0	0	19
110-119	1	2	2	1	0	0	0	11	16	16	7	0	0	0	0
120-129	0	0	0	0	1	0	0	0	0	0	0	9	0	0	7
130-139	1	0	0	0	0	0	0	9	0	0	0	0	0	0	0
140-149	1	0	0	0	0	0	0	15	0	0	0	0	0	0	0
150-159	0	0	0	1	0	0	0	0	0	0	43	0	0	0	35
160-169	0	0	1	0	0	0	0	0	0	200	0	0	0	****	0
170-179	0	0	0	0	0	0	0	0	0	0	0	0	0	****	0
180-189	0	0	0	0	0	0	0	0	0	****	0	0	0	0	0
190-300	0	0	0	0	0	0	0	0	0	0	0	****	0	0	0
UNKNOWN	0	0	0	0	0	0	0	-0.003	-0.042	0.006	-0.012	******	******	******	-0.014
NO EXAM	0	1	0	0	0	0	0	0.029	0.030	0.029	0.033	*****	*****	*****	0.027

TABLE 18-B-2

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD PRESSURE, FIRST EXAMINER, SYSTOLIC (MM HG)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 45-49 AT EXAM															
TOTAL	5	4	1	1	1	1	0	TOTAL 11	9	2	2	2	2	0	3
080-109	0	0	0	0	0	0	0	080-109 0	0	0	0	0	0	0	0
110-119	0	1	0	0	0	0	0	110-119 0	12	0	0	0	0	0	0
120-129	2	0	0	0	0	0	0	120-129 24	0	0	0	0	0	0	0
130-139	0	1	1	0	1	0	0	130-139 0	12	11	0	12	0	0	0
140-149	1	0	0	1	0	1	0	140-149 16	0	0	20	0	19	0	14
150-159	0	0	0	0	0	0	0	150-159 0	0	0	0	0	0	0	0
160-169	0	1	0	0	0	0	0	160-169 0	48	0	0	0	0	0	0
170-179	1	0	0	0	0	0	0	170-179 42	0	0	0	0	0	0	0
180-189	0	1	0	0	0	0	0	180-189 0	125	0	0	0	0	0	79
190-300	1	0	0	0	0	0	0	190-300 77	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE 0.012	0.034	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR 0.019	0.023	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM															
TOTAL	15	8	6	3	1	1	0	TOTAL 35	18	14	7	2	2	0	5
080-109	0	0	1	0	0	0	0	080-109 0	0	29	0	0	0	0	0
110-119	0	1	0	0	0	0	0	110-119 0	24	0	0	0	0	0	0
120-129	0	0	0	0	1	1	0	120-129 0	0	0	0	13	12	0	10
130-139	2	0	2	2	0	0	0	130-139 27	0	34	25	0	0	0	17
140-149	2	2	0	0	0	0	0	140-149 27	30	0	0	0	0	0	0
150-159	2	2	0	1	0	0	0	150-159 38	38	0	26	0	0	0	0
160-169	1	0	0	0	0	0	0	160-169 22	0	0	0	0	0	0	0
170-179	2	1	1	0	0	0	0	170-179 67	59	45	0	0	0	0	0
180-189	1	1	1	0	0	0	0	180-189 53	50	111	0	0	0	0	0
190-300	5	1	0	0	0	0	0	190-300 132	48	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE 0.033	0.023	0.012	0.007	******	******	******	-0.014
NO EXAM	0	0	1	0	0	0	0	STD.ERROR 0.009	0.014	0.019	0.025	*****	*****	*****	0.023
WOMEN AGED 55-59 AT EXAM															
TOTAL	15	18	16	10	6	2	0	TOTAL 40	45	39	24	14	5	0	15
080-109	0	0	0	0	0	0	0	080-109 0	0	0	0	0	0	0	0
110-119	0	0	0	0	0	0	0	110-119 0	0	0	0	0	0	0	0
120-129	1	1	0	0	1	0	0	120-129 26	23	0	0	18	0	0	26
130-139	1	3	3	0	0	0	0	130-139 18	59	44	0	0	0	0	22
140-149	0	0	3	3	0	0	0	140-149 0	0	60	51	0	0	0	13
150-159	1	2	0	0	1	0	0	150-159 19	30	0	0	24	0	0	0
160-169	3	3	0	1	1	0	0	160-169 83	71	0	30	30	0	0	0
170-179	4	1	4	1	1	0	0	170-179 100	36	148	43	38	0	0	27
180-189	2	4	2	2	1	1	0	180-189 100	174	167	105	48	67	0	120
190-300	3	4	3	2	1	1	0	190-300 62	125	130	95	59	77	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE 0.022	0.030	0.041	0.042	0.038	******	******	0.013
NO EXAM	0	0	1	1	0	0	0	STD.ERROR 0.009	0.009	0.010	0.013	0.017	*****	*****	0.013

TABLE 18-B-2

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD PRESSURE, FIRST EXAMINER, SYSTOLIC (MM HG)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 60-64 AT EXAM															
TOTAL	3	9	10	12	9	7	4	46	43	31	31	24	18	10	37
080-109	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0
110-119	0	0	0	0	0	0	0	****	0	0	0	0	0	0	0
120-129	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
130-139	0	2	1	1	1	0	0	0	69	21	20	19	0	0	16
140-149	0	1	1	2	0	0	0	0	45	40	50	0	0	0	20
150-159	1	0	0	2	1	1	1	77	0	0	37	24	21	14	17
160-169	1	3	3	0	2	0	0	125	115	115	0	43	0	0	46
170-179	1	0	2	1	0	2	1	200	0	91	38	0	71	40	66
180-189	0	1	1	1	1	0	0	0	100	40	50	59	0	0	0
190-300	0	2	1	3	2	3	2	0	87	37	81	56	158	74	197
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.004	0.021	0.030	0.030	0.027	0.057	0.076	0.053
NO EXAM	0	0	1	2	2	1	0	STD.ERROR	0.024	0.013	0.011	0.011	0.014	0.017	0.021	0.010
WOMEN AGED 65-69 AT EXAM															
TOTAL	0	1	3	6	3	2		TOTAL	24	24	9	6	47		
080-109	0	0	0	0	0	0		080-109	0	0	0	0	0		
110-119	0	0	0	0	0	0		110-119	0	0	0	0	0		
120-129	0	0	0	1	0	0		120-129	0	71	0	0	0		
130-139	0	0	0	0	1	0		130-139	0	0	28	0	39		
140-149	0	0	2	0	0	0		140-149	118	0	0	0	34		
150-159	0	0	0	2	0	0		150-159	0	71	0	0	37		
160-169	0	0	0	0	1	1		160-169	0	0	28	43	93		
170-179	0	0	0	0	0	0		170-179	0	0	0	0	0		
180-189	0	0	0	0	0	0		180-189	0	0	0	0	0		
190-300	0	1	0	2	1	1		190-300	0	100	36	32	213		
UNKNOWN	0	0	0	0	0	0		SLOPE	******	0.019	0.021	******	0.032		
NO EXAM	0	0	1	1	0	0		STD.ERROR	*****	0.016	0.021	*****	0.012		
WOMEN AGED 70-74 AT EXAM															
TOTAL	0	1	0	TOTAL	17	0	21								
080-109	0	0	0	080-109	****	****	*****								
110-119	0	0	0	110-119	0	0	0								
120-129	0	0	0	120-129	****	0	0								
130-139	0	0	0	130-139	0	0	0								
140-149	0	0	0	140-149	0	0	0								
150-159	0	1	0	150-159	143	0	135								
160-169	0	0	0	160-169	0	0	0								
170-179	0	0	0	170-179	0	0	0								
180-189	0	0	0	180-189	0	0	0								
190-300	0	0	0	190-300	0	0	0								
UNKNOWN	0	0	0	SLOPE	******	******	******								
NO EXAM	0	0	0	STD.ERROR	*****	*****	*****								

TABLE 18-B-3

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD PRESSURE, FIRST EXAMINER, DIASTOLIC (MM HG)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 29-34 AT EXAM																
TOTAL	3	2	0					TOTAL	8	11	0					8
020-069	0	0	0					020-069	0	0	0					0
070-074	0	0	0					070-074	0	0	0					0
075-079	0	0	0					075-079	0	0	0					0
080-084	0	0	0					080-084	0	0	0					0
085-089	0	0	0					085-089	0	0	0					0
090-094	2	0	0					090-094	35	0	0					0
095-099	0	1	0					095-099	0	143	0					0
100-104	0	0	0					100-104	0	0	0					0
105-109	0	1	0					105-109	0	1000	****					0
110-160	1	0	0					110-160	143	0	****					556
UNKNOWN	0	0	0					SLOPE	0.216	******	******					******
NO EXAM	0	0	0					STD.ERROR	0.054	*****	*****					*****
MEN AGED 35-39 AT EXAM																
TOTAL	3	0	2	1	1	0		TOTAL	7	0	5	4	10			6
020-069	0	0	0	0	0	0		020-069	0	0	0	0	0			0
070-074	1	0	0	1	0	0		070-074	16	0	0	25	0			0
075-079	0	0	0	0	0	0		075-079	0	0	0	0	0			0
080-084	0	0	0	0	1	0		080-084	0	0	0	0	36			0
085-089	0	0	1	0	0	0		085-089	0	0	18	0	0			0
090-094	0	0	0	0	0	0		090-094	0	0	0	0	0			0
095-099	0	0	0	0	0	0		095-099	0	0	0	0	0			0
100-104	1	0	0	0	0	0		100-104	29	0	0	0	0			74
105-109	0	0	0	0	0	0		105-109	0	0	0	0	0			0
110-160	1	0	1	0	0	0		110-160	59	0	250	0	0			172
UNKNOWN	0	0	0	0	0	0		SLOPE	0.089	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	0.050	*****	*****	*****	*****			*****
MEN AGED 40-44 AT EXAM																
TOTAL	8	6	4	1	0	1	0	TOTAL	19	15	9	2	0	3	0	4
020-069	0	0	0	0	0	0	0	020-069	0	0	0	0	0	0	0	0
070-074	0	0	1	0	0	0	0	070-074	0	0	18	0	0	0	0	0
075-079	0	0	0	0	0	0	0	075-079	0	0	0	0	0	0	0	0
080-084	2	1	0	0	0	0	0	080-084	22	11	0	0	0	0	0	0
085-089	0	1	0	0	0	0	0	085-089	0	23	0	0	0	0	0	0
090-094	1	0	0	0	0	0	0	090-094	11	0	0	0	0	0	0	0
095-099	0	0	0	0	0	1	0	095-099	0	0	0	0	0	50	0	35
100-104	2	1	0	0	0	0	0	100-104	71	56	0	0	0	0	0	0
105-109	1	0	1	0	0	0	0	105-109	125	0	100	0	0	0	0	0
110-160	2	1	0	0	0	0	0	110-160	87	100	0	0	0	0	0	79
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.094	0.089	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.030	0.043	*****	*****	*****	*****	*****	*****

TABLE 18-B-3

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD PRESSURE, FIRST EXAMINER, DIASTOLIC (MM HG)

	INCIDENCE IN INTERVAL AFTER EXAM						
EXAM NUMBER	1	2	3	4	5	6	7
MEN AGED 45-49 AT EXAM							
TOTAL	9	8	8	6	5	1	0
020-069	0	1	2	0	1	0	0
070-074	2	0	0	0	0	0	0
075-079	1	0	0	0	0	0	0
080-084	2	3	1	1	1	0	0
085-089	0	1	1	0	0	0	0
090-094	1	0	0	0	1	0	0
095-099	0	0	1	0	0	0	0
100-104	2	1	0	0	0	0	0
105-109	0	0	2	2	0	0	0
110-160	1	1	0	2	1	0	0
UNKNOWN	0	0	0	0	0	0	0
NO EXAM	0	1	1	1	1	1	0
MEN AGED 50-54 AT EXAM							
TOTAL	16	11	8	7	6	2	0
020-069	0	1	1	2	1	0	0
070-074	2	0	0	0	0	0	0
075-079	2	0	0	0	0	0	0
080-084	0	1	2	1	0	1	0
085-089	1	0	0	2	1	0	0
090-094	2	2	0	1	0	0	0
095-099	0	3	2	1	1	0	0
100-104	4	2	2	0	1	1	0
105-109	1	1	1	0	1	0	0
110-160	4	1	0	0	1	0	0
UNKNOWN	0	0	0	0	0	0	0
NO EXAM	0	0	0	0	0	0	0
MEN AGED 55-59 AT EXAM							
TOTAL	18	15	10	3	2	5	3
020-069	0	0	1	0	1	2	0
070-074	2	0	1	0	0	0	0
075-079	1	2	0	0	0	0	0
080-084	3	1	2	0	0	1	1
085-089	1	0	0	0	0	0	1
090-094	1	2	1	1	0	0	0
095-099	0	3	1	0	0	1	0
100-104	5	1	1	1	0	0	0
105-109	0	2	1	0	0	0	0
110-160	5	3	1	1	1	1	1
UNKNOWN	0	0	0	0	0	0	0
NO EXAM	0	1	1	0	0	0	0

	INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
TOTAL	25	20	20	15	12	2	0	9
020-069	0	30	67	0	48	0	0	61
070-074	57	0	0	0	0	0	0	0
075-079	32	0	0	0	0	0	0	0
080-084	23	39	14	16	10	0	0	8
085-089	0	17	19	0	0	0	0	0
090-094	15	0	0	0	23	0	0	0
095-099	0	0	31	0	0	0	0	0
100-104	71	50	0	0	0	0	0	0
105-109	0	0	200	143	0	0	0	0
110-160	50	91	0	143	143	0	0	62
SLOPE	0.005	0.022	0.009	0.141	-0.024	******	******	-0.106
STD.ERROR	0.028	0.033	0.032	0.038	0.044	*****	*****	0.043
TOTAL	43	32	24	18	15	5	0	25
020-069	0	42	37	69	50	0	0	0
070-074	57	0	0	0	0	0	0	0
075-079	71	0	0	0	0	0	0	21
080-084	0	16	41	15	0	13	0	0
085-089	29	0	0	36	22	0	0	0
090-094	32	47	0	22	0	0	0	14
095-099	0	111	100	38	38	0	0	58
100-104	93	67	167	0	43	31	0	114
105-109	77	143	167	0	111	0	0	259
110-160	154	77	0	0	125	0	0	98
SLOPE	0.061	0.068	0.045	-0.040	0.061	******	******	0.109
STD.ERROR	0.019	0.024	0.029	0.031	0.035	*****	*****	0.023
TOTAL	65	47	30	9	6	16	8	36
020-069	0	0	50	0	50	100	0	70
070-074	77	0	20	0	0	0	0	0
075-079	32	48	0	0	0	0	0	0
080-084	47	17	33	0	0	14	14	34
085-089	37	0	0	0	0	0	23	21
090-094	23	43	31	27	0	0	0	37
095-099	0	143	48	0	0	71	0	109
100-104	238	59	71	50	0	0	0	34
105-109	0	250	100	0	0	0	0	109
110-160	192	176	91	62	77	100	67	93
SLOPE	0.060	0.089	0.037	0.100	******	-0.044	0.086	0.031
STD.ERROR	0.018	0.021	0.026	0.045	*****	0.036	0.047	0.020

TABLE 18-B-3

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD PRESSURE, FIRST EXAMINER, DIASTOLIC (MM HG)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
020-069	0	2	0	0	0	1	0	020-069	0	100	0	0	0	59	0	37
070-074	1	1	1	2	0	0	0	070-074	125	56	28	59	0	0	0	52
075-079	1	0	2	0	1	0	0	075-079	111	0	65	0	29	0	0	32
080-084	1	3	2	1	0	0	0	080-084	111	120	45	15	0	0	0	30
085-089	1	0	2	0	0	0	0	085-089	111	0	105	0	0	0	0	0
090-094	0	2	1	1	1	0	0	090-094	0	95	67	38	29	0	0	0
095-099	0	1	2	1	0	0	0	095-099	0	111	154	77	0	0	0	0
100-104	0	0	0	0	0	0	0	100-104	0	0	0	0	0	0	0	0
105-109	0	0	1	1	0	0	0	105-109	0	0	143	125	0	0	0	0
110-160	0	2	3	2	0	0	0	110-160	0	167	200	154	0	0	0	179
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.051	0.007	0.050	0.066	******	******	******	0.024
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	0.039	0.021	0.018	0.027	*****	*****	*****	0.025
MEN AGED 65-69 AT EXAM																
TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
020-069		0	0	1	1	0	0	020-069				67	48	0	0	0
070-074		0	0	0	2	0	0	070-074				0	74	0	0	96
075-079		0	1	1	0	0	0	075-079				200	0	0	0	77
080-084		0	0	2	3	1	0	080-084				105	71	23	0	96
085-089		0	1	0	0	0	0	085-089				0	0	0	0	0
090-094		0	0	4	2	0	0	090-094				267	100	0	0	55
095-099		0	0	0	0	0	0	095-099				0	0	0	0	0
100-104		0	0	0	0	0	0	100-104				0	0	0	0	0
105-109		0	0	0	0	0	0	105-109				0	0	0	0	0
110-160		0	0	0	1	1	0	110-160				0	167	91	0	161
UNKNOWN		0	0	0	0	0	0	SLOPE				-0.002	0.016	******	******	0.001
NO EXAM		0	1	0	0	1	0	STD.ERROR				0.025	0.027	*****	*****	0.026
MEN AGED 70-74 AT EXAM																
TOTAL				1	1	0		TOTAL						20	0	60
020-069				1	0	0		020-069						0	0	250
070-074				0	0	0		070-074						0	0	0
075-079				0	0	0		075-079						0	0	0
080-084				0	0	0		080-084						0	0	0
085-089				0	0	0		085-089						0	0	0
090-094				0	0	0		090-094						0	0	0
095-099				0	0	0		095-099						****	0	0
100-104				0	1	0		100-104						200	0	625
105-109				0	0	0		105-109						****	0	0
110-160				0	0	0		110-160						0	0	0
UNKNOWN				0	0	0		SLOPE						******	******	******
NO EXAM				0	0	0		STD.ERROR						*****	*****	*****

TABLE 18-B-3

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD PRESSURE, FIRST EXAMINER, DIASTOLIC (MM HG)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 29-34 AT EXAM															
TOTAL	0	0	0					0	0	0					0
020-069	0	0	0					0	0	0					0
070-074	0	0	0					0	0	0					0
075-079	0	0	0					0	0	0					0
080-084	0	0	0					0	0	0					0
085-089	0	0	0					0	0	0					0
090-094	0	0	0					0	0	0					0
095-099	0	0	0					0	0	****					0
100-104	0	0	0					0	0	****					0
105-109	0	0	0					0	****	****					0
110-160	0	0	0					0	****	****					0
UNKNOWN	0	0	0					******	******	******					******
NO EXAM	0	0	0					*****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM															
TOTAL	4	1	1	0	0	0		7	2	2	0	0			0
020-069	3	1	1	0	0	0		44	9	9	0	0			0
070-074	0	0	0	0	0	0		0	0	0	0	0			0
075-079	0	0	0	0	0	0		0	0	0	0	0			0
080-084	0	0	0	0	0	0		0	0	0	0	0			0
085-089	0	0	0	0	0	0		0	0	0	0	0			0
090-094	1	0	0	0	0	0		15	0	0	0	0			0
095-099	0	0	0	0	0	0		0	0	0	0	0			0
100-104	0	0	0	0	0	0		0	0	0	0	0			0
105-109	0	0	0	0	0	0		0	0	0	0	****			0
110-160	0	0	0	0	0	0		0	****	0	0	****			0
UNKNOWN	0	0	0	0	0	0		-0.107	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		0.049	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM															
TOTAL	3	4	4	3	1	0	0	6	7	7	5	2	0	0	6
020-069	0	2	1	1	0	0	0	0	24	11	11	0	0	0	11
070-074	0	1	1	1	1	0	0	0	10	8	10	9	0	0	16
075-079	2	0	0	0	0	0	0	38	0	0	0	0	0	0	0
080-084	0	0	1	0	0	0	0	0	0	14	0	0	0	0	0
085-089	1	0	1	0	0	0	0	21	0	22	0	0	0	0	0
090-094	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
095-099	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
100-104	0	0	0	1	0	0	0	0	0	0	83	0	0	0	58
105-109	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
110-160	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	-0.033	-0.088	-0.005	-0.024	******	******	******	-0.029
NO EXAM	0	1	0	0	0	0	0	0.047	0.048	0.045	0.054	*****	*****	*****	0.043

TABLE 18-B-3

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD PRESSURE, FIRST EXAMINER, DIASTOLIC (MM HG)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 45-49 AT EXAM																
TOTAL	5	4	1	1	1	1	0	TOTAL	11	9	2	2	2	2	0	3
020-069	0	0	1	0	0	0	0	020-069	0	0	18	0	0	0	0	0
070-074	1	1	0	0	0	0	0	070-074	23	14	0	0	0	0	0	0
075-079	0	0	0	0	0	0	0	075-079	0	0	0	0	0	0	0	0
080-084	0	1	0	0	0	0	0	080-084	0	11	0	0	0	0	0	0
085-089	1	0	0	0	0	0	0	085-089	17	0	0	0	0	0	0	0
090-094	0	1	0	0	1	1	0	090-094	0	21	0	0	19	19	0	26
095-099	1	0	0	1	0	0	0	095-099	32	0	0	62	0	0	0	0
100-104	1	0	0	0	0	0	0	100-104	29	0	0	0	0	0	0	0
105-109	0	0	0	0	0	0	0	105-109	0	0	0	0	****	0	0	0
110-160	1	1	0	0	0	0	0	110-160	34	50	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.045	0.032	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.037	0.039	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM																
TOTAL	15	8	6	3	1	1	0	TOTAL	35	18	14	7	2	2	0	5
020-069	0	0	1	0	0	0	0	020-069	0	0	31	0	0	0	0	0
070-074	1	1	0	0	1	0	0	070-074	32	20	0	0	15	0	0	0
075-079	2	0	0	1	0	0	0	075-079	43	0	0	19	0	0	0	0
080-084	2	1	2	1	0	1	0	080-084	24	12	22	11	0	9	0	22
085-089	1	0	0	0	0	0	0	085-089	24	0	0	0	0	0	0	0
090-094	1	2	0	0	0	0	0	090-094	13	29	0	0	0	0	0	0
095-099	1	0	1	1	0	0	0	095-099	25	0	45	43	0	0	0	0
100-104	2	1	0	0	0	0	0	100-104	48	38	0	0	0	0	0	0
105-109	0	2	0	0	0	0	0	105-109	0	125	0	0	0	0	0	0
110-160	5	1	1	0	0	0	0	110-160	116	32	56	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.048	0.058	0.034	0.001	******	******	******	-0.015
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.019	0.027	0.037	0.044	*****	*****	*****	0.044
WOMEN AGED 55-59 AT EXAM																
TOTAL	15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
020-069	1	2	1	0	0	0	0	020-069	77	105	33	0	0	0	0	29
070-074	1	1	1	0	0	0	0	070-074	31	26	29	0	0	0	0	0
075-079	0	0	2	1	0	0	0	075-079	0	0	43	26	0	0	0	21
080-084	2	1	1	0	1	0	0	080-084	31	13	14	0	10	0	0	0
085-089	0	2	1	1	1	0	0	085-089	0	39	18	17	17	0	0	27
090-094	4	2	2	1	1	0	0	090-094	60	36	37	19	16	0	0	25
095-099	2	0	2	0	0	0	0	095-099	67	0	69	0	0	0	0	0
100-104	1	6	0	2	0	0	0	100-104	24	200	0	69	0	0	0	26
105-109	1	0	1	1	0	0	0	105-109	91	0	91	83	0	0	0	0
110-160	3	4	4	3	3	2	0	110-160	67	133	267	176	187	111	0	64
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.034	0.041	0.058	0.108	0.116	******	******	0.036
NO EXAM	0	0	1	1	0	0	0	STD.ERROR	0.017	0.017	0.021	0.028	0.034	*****	*****	0.025

TABLE 18-B-3

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD PRESSURE, FIRST EXAMINER, DIASTOLIC (MM HG)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 60-64 AT EXAM																
TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
020-069	0	0	0	1	0	0	0	020-069	****	0	0	38	0	0	0	41
070-074	0	2	0	0	0	0	0	070-074	0	83	0	0	0	0	0	0
075-079	0	0	0	0	1	0	0	075-079	0	0	0	0	36	0	0	0
080-084	0	1	1	3	2	2	0	080-084	0	37	16	52	29	24	0	13
085-089	0	0	2	2	0	0	0	085-089	0	0	61	51	0	0	0	0
090-094	2	1	2	0	1	2	1	090-094	133	36	57	0	19	38	13	32
095-099	0	1	1	0	2	0	1	095-099	0	42	50	0	77	0	59	74
100-104	1	2	1	0	0	1	0	100-104	100	111	59	0	0	33	0	67
105-109	0	0	1	0	0	0	0	105-109	0	0	100	0	0	0	0	0
110-160	0	2	1	4	1	1	2	110-160	0	167	56	160	42	71	105	252
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.012	0.034	0.068	0.042	0.023	0.058	0.157	0.096
NO EXAM	0	0	1	2	2	1	0	STD.ERROR	0.046	0.024	0.025	0.023	0.028	0.034	0.043	0.020
WOMEN AGED 65-69 AT EXAM																
TOTAL		0	1	3	6	3	2	TOTAL				24	24	9	6	47
020-069		0	0	1	1	0	0	020-069				91	67	0	0	70
070-074		0	0	0	0	0	0	070-074				0	0	0	0	0
075-079		0	0	0	0	0	0	075-079				0	0	0	0	0
080-084		0	0	0	1	1	0	080-084				0	20	17	0	51
085-089		0	0	0	1	0	0	085-089				0	50	0	0	0
090-094		0	0	1	1	1	2	090-094				59	30	23	39	134
095-099		0	0	0	1	1	0	095-099				0	38	42	0	62
100-104		0	0	0	0	0	0	100-104				0	0	0	0	0
105-109		0	0	0	0	0	0	105-109				0	0	0	0	0
110-160		0	1	0	0	0	0	110-160				0	0	0	0	91
UNKNOWN		0	0	0	0	0	0	SLOPE				******	-0.011	0.020	******	0.020
NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	0.033	0.042	*****	0.025
WOMEN AGED 70-74 AT EXAM																
TOTAL					0	1	0	TOTAL						17	0	21
020-069					0	0	0	020-069						0	0	0
070-074					0	0	0	070-074						0	0	0
075-079					0	0	0	075-079						0	0	0
080-084					0	0	0	080-084						0	0	0
085-089					0	0	0	085-089						0	0	0
090-094					0	0	0	090-094						0	0	0
095-099					0	0	0	095-099						0	0	0
100-104					0	0	0	100-104						0	0	0
105-109					0	0	0	105-109						0	0	0
110-160					0	1	0	110-160						167	0	357
UNKNOWN					0	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-4

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD SUGAR (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 29-34 AT EXAM																
TOTAL	3	2	0					TOTAL	8	11	0					8
030-059	0	0	0					030-059	0	0	****					0
060-069	0	1	0					060-069	0	31	0					0
070-079	0	0	0					070-079	0	0	0					0
080-089	0	0	0					080-089	0	0	0					0
090-099	1	0	0					090-099	33	0	0					89
100-109	0	0	0					100-109	0	0	0					0
110-119	0	0	0					110-119	0	0	0					0
120-129	0	0	0					120-129	0	0	****					0
130-139	0	0	0					130-139	****	****	****					*****
140-524	1	1	0					140-524	1000	1000	****					0
UNKNOWN	1	0	0					SLOPE	******	******	******					******
NO EXAM	0	0	0					STD.ERROR	*****	*****	*****					*****
MEN AGED 35-39 AT EXAM																
TOTAL	3	0	2	1	1	0		TOTAL	7	0	5	4	10			6
030-059	0	0	0	0	0	0		030-059	0	0	0	0	****			0
060-069	0	0	0	0	0	0		060-069	0	0	0	0	****			0
070-079	0	0	0	0	0	0		070-079	0	0	0	0	****			0
080-089	0	0	1	0	0	0		080-089	0	0	11	0	****			0
090-099	1	0	0	1	0	0		090-099	27	0	0	53	****			0
100-109	1	0	0	0	0	0		100-109	59	0	0	0	****			0
110-119	0	0	0	0	0	0		110-119	0	0	0	0	****			0
120-129	0	0	0	0	0	0		120-129	0	****	0	0	****			0
130-139	0	0	0	0	0	0		130-139	0	0	0	****	****			0
140-524	0	0	0	0	0	0		140-524	0	0	****	****	****			0
UNKNOWN	1	0	1	0	1	0		SLOPE	******	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	*****	*****	*****	*****	*****			*****
MEN AGED 40-44 AT EXAM																
TOTAL	8	6	4	1	0	1	0	TOTAL	19	15	9	2	0	3	0	4
030-059	0	0	0	0	0	0	0	030-059	0	0	0	0	****	0	****	0
060-069	0	0	0	0	0	0	0	060-069	0	0	0	0	****	0	****	0
070-079	2	1	2	0	0	1	0	070-079	19	8	14	0	****	10	****	6
080-089	2	1	0	0	0	0	0	080-089	22	11	0	0	****	0	****	0
090-099	1	0	0	0	0	0	0	090-099	29	0	0	0	****	0	****	0
100-109	0	0	0	0	0	0	0	100-109	0	0	0	0	****	0	****	0
110-119	0	0	0	0	0	0	0	110-119	0	0	0	0	****	0	****	0
120-129	0	0	0	0	0	0	0	120-129	0	0	0	0	****	0	****	0
130-139	0	0	0	0	0	0	0	130-139	0	0	0	****	****	0	****	0
140-524	0	1	0	0	0	0	0	140-524	0	333	0	0	****	0	****	208
UNKNOWN	3	1	0	0	0	0	0	SLOPE	-0.002	0.166	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.025	0.040	*****	*****	*****	*****	*****	*****

TABLE 18-B-4

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD SUGAR (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 45-49 AT EXAM																
TOTAL	9	8	8	6	5	1	0	TOTAL	25	20	20	15	12	2	0	9
030-059	0	0	0	0	0	0	0	030-059	0	0	0	0	****	0	****	0
060-069	0	0	0	0	0	0	0	060-069	0	0	0	0	****	0	****	0
070-079	3	1	2	1	0	0	0	070-079	38	8	21	8	****	0	****	6
080-089	1	2	2	1	0	0	0	080-089	16	23	20	13	****	0	****	0
090-099	1	2	1	1	0	0	0	090-099	26	38	29	37	****	0	****	19
100-109	0	1	1	0	0	0	0	100-109	0	62	56	0	****	0	****	0
110-119	1	0	0	0	0	0	0	110-119	125	0	0	0	****	0	****	0
120-129	0	0	0	0	0	0	0	120-129	0	0	0	0	****	0	****	0
130-139	0	0	0	0	0	0	0	130-139	0	0	0	0	****	0	****	0
140-524	0	1	1	1	0	0	0	140-524	0	125	200	167	****	0	****	0
UNKNOWN	3	0	0	1	4	0	0	SLOPE	0.006	0.035	0.079	0.081	******	******	******	******
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.018	0.012	0.017	0.017	*****	*****	*****	*****
MEN AGED 50-54 AT EXAM																
TOTAL	16	11	8	7	6	2	0	TOTAL	43	32	24	18	15	5	0	25
030-059	0	0	0	0	0	0	0	030-059	0	0	0	0	****	0	****	0
060-069	7	3	0	1	0	1	0	060-069	146	81	0	16	****	15	****	39
070-079	1	2	2	0	0	0	0	070-079	13	19	25	0	****	0	****	21
080-089	4	4	1	2	0	1	0	080-089	58	48	15	30	****	14	****	30
090-099	1	1	2	2	0	0	0	090-099	25	25	65	87	****	0	****	75
100-109	1	0	0	0	0	0	0	100-109	100	0	0	0	****	0	****	0
110-119	0	0	1	0	0	0	0	110-119	0	0	250	0	****	0	****	0
120-129	0	0	1	0	0	0	0	120-129	0	0	250	0	****	0	****	0
130-139	0	0	1	0	0	0	0	130-139	0	****	500	0	****	0	****	0
140-524	1	1	0	0	0	0	0	140-524	125	143	0	0	****	0	****	88
UNKNOWN	1	0	0	2	6	0	0	SLOPE	0.003	0.021	0.024	0.003	******	******	******	0.023
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.009	0.015	0.015	0.017	*****	*****	*****	0.010
MEN AGED 55-59 AT EXAM																
TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
030-059	1	0	0	0	0	0	0	030-059	125	0	****	0	****	0	****	0
060-069	1	3	0	0	0	1	0	060-069	31	70	0	0	****	24	****	33
070-079	3	4	3	2	0	0	0	070-079	44	45	36	25	****	0	****	8
080-089	4	5	2	0	0	1	0	080-089	73	65	26	0	****	19	****	57
090-099	3	0	2	0	0	1	0	090-099	111	0	65	0	****	36	****	52
100-109	2	1	0	0	0	1	0	100-109	200	71	0	0	****	167	****	52
110-119	0	1	0	0	0	0	0	110-119	0	77	0	0	****	0	****	82
120-129	0	0	0	0	0	0	0	120-129	0	0	0	0	****	0	****	0
130-139	0	0	0	0	0	0	0	130-139	0	****	0	0	****	0	****	0
140-524	1	0	1	0	0	0	0	140-524	167	0	167	0	****	0	****	122
UNKNOWN	3	0	1	1	2	1	3	SLOPE	0.008	-0.008	0.027	******	******	0.015	******	0.032
NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.009	0.012	0.012	*****	*****	0.023	*****	0.012

TABLE 18-B-4

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD SUGAR (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
030-059	0	1	0	0	0	0	0	030-059	****	333	0	0	****	0	****	0
060-069	1	3	1	1	0	0	0	060-069	143	150	43	29	****	0	****	0
070-079	2	2	4	1	0	0	0	070-079	87	45	83	13	****	0	****	47
080-089	1	1	5	4	0	0	0	080-089	59	26	122	66	****	0	****	30
090-099	0	2	0	1	0	0	0	090-099	0	111	0	34	****	0	****	28
100-109	0	1	1	0	0	1	0	100-109	0	125	83	0	****	83	****	78
110-119	0	0	0	0	0	0	0	110-119	0	0	0	0	****	0	****	0
120-129	0	0	1	0	0	0	0	120-129	0	0	200	0	****	0	****	0
130-139	0	0	0	0	0	0	0	130-139	****	0	0	0	****	0	****	0
140-524	0	1	1	1	0	0	0	140-524	0	143	167	167	****	0	****	114
UNKNOWN	0	0	1	0	2	0	0	SLOPE	-0.016	0.006	0.011	0.026	******	******	******	0.042
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	0.017	0.009	0.012	0.009	*****	*****	*****	0.011
MEN AGED 65-69 AT EXAM																
TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
030-059		0	1	0	0	1	0	030-059				0	****	111	****	455
060-069		0	0	1	0	1	0	060-069				71	****	25	****	42
070-079		0	1	3	0	0	0	070-079				120	****	0	****	54
080-089		0	0	2	0	0	0	080-089				133	****	0	****	72
090-099		0	0	0	0	0	0	090-099				0	****	0	****	0
100-109		0	0	1	0	0	0	100-109				167	****	0	****	179
110-119		0	0	0	0	0	0	110-119				0	****	0	****	0
120-129		0	0	0	0	0	0	120-129				0	****	0	****	0
130-139		0	0	0	0	0	0	130-139				****	****	0	****	0
140-524		0	0	0	0	0	0	140-524				0	****	0	****	0
UNKNOWN		0	0	1	9	0	0	SLOPE				-0.006	******	******	******	-0.012
NO EXAM		0	1	0	0	1	0	STD.ERROR				0.009	*****	*****	*****	0.011
MEN AGED 70-74 AT EXAM																
TOTAL					1	1	0	TOTAL						20	0	60
030-059					0	0	0	030-059						****	****	0
060-069					0	0	0	060-069						0	****	208
070-079					0	1	0	070-079						100	****	192
080-089					0	0	0	080-089						0	****	0
090-099					0	0	0	090-099						0	****	0
100-109					0	0	0	100-109						0	****	0
110-119					0	0	0	110-119						****	****	0
120-129					0	0	0	120-129						0	****	0
130-139					0	0	0	130-139						****	****	0
140-524					0	0	0	140-524						0	****	0
UNKNOWN					1	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-8-4

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD SUGAR (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 29-34 AT EXAM															
TOTAL	0	0	0					0	0	0					0
030-059	0	0	0					0	0	****					0
060-069	0	0	0					0	0	0					0
070-079	0	0	0					0	0	0					0
080-089	0	0	0					0	0	0					0
090-099	0	0	0					0	0	0					0
100-109	0	0	0					0	0	****					0
110-119	0	0	0					0	0	****					0
120-129	0	0	0					0	****	****					0
130-139	0	0	0					****	****	****					*****
140-524	0	0	0					****	0	****					0
UNKNOWN	0	0	0					******	******	******					******
NO EXAM	0	0	0					*****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM															
TOTAL	4	1	1	0	0	0		7	2	2	0	0			0
030-059	0	0	0	0	0	0		0	0	0	0	****			0
060-069	0	0	0	0	0	0		0	0	0	0	****			0
070-079	2	0	0	0	0	0		13	0	0	0	****			0
080-089	1	0	0	0	0	0		8	0	0	0	****			0
090-099	0	1	0	0	0	0		0	19	0	0	****			0
100-109	0	0	0	0	0	0		0	0	0	0	****			0
110-119	0	0	0	0	0	0		0	0	0	0	****			0
120-129	0	0	0	0	0	0		0	0	0	****	****			0
130-139	0	0	0	0	0	0		0	****	****	****	****			0
140-524	0	0	0	0	0	0		0	0	0	0	****			0
UNKNOWN	1	0	1	0	0	0		-0.020	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		0.047	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM															
TOTAL	3	4	4	3	1	0	0	6	7	7	5	2	0	0	6
030-059	0	0	0	0	0	0	0	0	0	0	0	****	0	****	0
060-069	0	1	0	0	0	0	0	0	14	0	0	****	0	****	0
070-079	0	0	1	1	0	0	0	0	0	7	6	****	0	****	5
080-089	0	1	1	0	0	0	0	0	7	8	0	****	0	****	7
090-099	0	0	0	0	0	0	0	0	0	0	0	****	0	****	0
100-109	0	0	0	0	0	0	0	0	0	0	0	****	0	****	0
110-119	0	0	0	0	0	0	0	0	0	0	0	****	0	****	0
120-129	0	1	0	0	0	0	0	0	200	0	0	****	0	****	0
130-139	0	0	0	0	0	0	0	0	0	0	0	****	****	****	0
140-524	1	0	1	1	0	0	0	333	0	333	500	****	0	****	313
UNKNOWN	2	0	1	1	1	0	0	******	0.053	0.275	******	******	******	******	0.354
NO EXAM	0	1	0	0	0	0	0	*****	0.043	0.035	*****	*****	*****	*****	0.036

TABLE 18-B-4

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: BLOOD SUGAR (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 45-49 AT EXAM															
TOTAL	5	4	1	1	1	1	0	TOTAL	11	9	2	2	2	0	3
030-059	0	0	0	0	0	0	0	030-059	0	0	0	0	****	0	****	0
060-069	0	0	0	0	0	0	0	060-069	0	0	0	0	****	0	****	0
070-079	2	0	0	1	0	0	0	070-079	24	0	0	7	****	0	****	0
080-089	1	1	0	0	0	0	0	080-089	11	8	0	0	****	0	****	0
090-099	1	0	1	0	0	0	0	090-099	24	0	20	0	****	0	****	0
100-109	0	1	0	0	0	0	0	100-109	0	50	0	0	****	0	****	0
110-119	0	1	0	0	0	0	0	110-119	0	200	0	0	****	0	****	0
120-129	0	0	0	0	0	0	0	120-129	0	0	0	0	****	0	****	0
130-139	0	0	0	0	0	0	0	130-139	****	0	****	0	****	****	****	0
140-524	0	1	0	0	0	0	0	140-524	0	167	0	****	****	0	****	294
UNKNOWN	1	0	0	0	1	1	0	SLOPE	-0.001	0.178	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.031	0.030	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM															
TOTAL	15	8	6	3	1	1	0	TOTAL	35	18	14	7	2	2	0	5
030-059	0	0	0	0	0	0	0	030-059	0	0	0	0	****	0	****	0
060-069	1	0	0	0	0	0	0	060-069	30	0	0	0	****	0	****	0
070-079	0	2	3	0	0	0	0	070-079	0	18	24	0	****	0	****	6
080-089	5	5	1	0	0	0	0	080-089	48	37	11	0	****	0	****	0
090-099	2	0	0	1	0	0	0	090-099	45	0	0	33	****	0	****	0
100-109	2	1	0	0	0	0	0	100-109	105	45	0	0	****	0	****	0
110-119	1	0	0	0	0	0	0	110-119	111	0	0	0	****	0	****	0
120-129	0	0	0	0	0	0	0	120-129	0	0	0	0	****	0	****	0
130-139	0	0	1	0	0	0	0	130-139	0	0	333	0	****	0	****	455
140-524	1	0	0	0	0	0	0	140-524	143	0	0	0	****	0	****	0
UNKNOWN	3	0	0	2	1	1	0	SLOPE	0.023	0.000	0.005	******	******	******	******	******
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.014	0.021	0.018	*****	*****	*****	*****	*****
WOMEN AGED 55-59 AT EXAM															
TOTAL	15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
030-059	0	0	0	0	0	0	0	030-059	0	0	0	0	****	0	****	0
060-069	1	4	1	1	0	0	0	060-069	36	125	29	22	****	0	****	17
070-079	3	4	3	1	0	1	0	070-079	39	38	37	8	****	9	****	27
080-089	1	2	4	4	0	0	0	080-089	14	20	41	43	****	0	****	0
090-099	1	3	4	0	0	0	0	090-099	21	52	93	0	****	0	****	17
100-109	0	2	0	1	0	0	0	100-109	0	87	0	62	****	0	****	41
110-119	0	0	1	1	0	0	0	110-119	0	0	143	100	****	0	****	0
120-129	1	1	0	0	0	0	0	120-129	167	125	0	0	****	0	****	0
130-139	0	0	0	0	0	0	0	130-139	0	0	****	****	****	0	****	0
140-524	1	2	2	0	0	0	0	140-524	83	200	182	0	****	0	****	82
UNKNOWN	7	0	0	1	6	1	0	SLOPE	0.004	0.013	0.018	0.013	******	******	******	0.015
NO EXAM	0	0	1	1	0	0	0	STD.ERROR	0.010	0.008	0.009	0.020	*****	*****	*****	0.013

TABLE 18-B-4

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE — CHARACTERISTIC: BLOOD SUGAR (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 60-64 AT EXAM																
TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
030-059	0	0	0	0	0	0	0	030-059	0	0	0	0	****	0	****	0
060-069	0	0	1	0	0	0	0	060-069	0	0	62	0	****	0	****	24
070-079	2	1	2	3	0	3	0	070-079	111	23	27	34	****	28	****	47
080-089	0	2	1	1	0	0	0	080-089	0	42	13	12	****	0	****	11
090-099	1	2	1	3	0	1	0	090-099	125	67	34	70	****	40	****	49
100-109	0	1	1	0	0	1	0	100-109	0	83	67	0	****	83	****	55
110-119	0	1	0	1	0	0	0	110-119	0	200	0	125	****	0	****	104
120-129	0	1	1	0	0	1	0	120-129	****	250	200	0	****	167	****	179
130-139	0	0	0	0	0	0	0	130-139	****	****	0	0	****	0	****	0
140-524	0	1	2	1	0	0	0	140-524	0	250	286	125	****	0	****	0
UNKNOWN	0	0	0	1	7	0	4	SLOPE	-0.005	0.026	0.044	0.056	******	0.011	******	0.003
NO EXAM	0	0	1	2	2	1	0	STD.ERROR	0.036	0.013	0.010	0.014	*****	0.015	*****	0.010
WOMEN AGED 65-69 AT EXAM																
TOTAL		0	1	3	6	3	2	TOTAL				24	24	9	6	47
030-059		0	0	0	0	0	0	030-059				0	****	0	****	0
060-069		0	0	0	0	0	0	060-069				0	****	0	****	0
070-079		0	0	1	0	0	0	070-079				31	****	0	****	0
080-089		0	1	0	0	1	0	080-089				0	****	15	****	49
090-099		0	0	0	0	0	0	090-099				0	****	0	****	46
100-109		0	0	0	0	0	0	100-109				0	****	0	****	104
110-119		0	0	0	0	1	0	110-119				0	****	167	****	526
120-129		0	0	0	0	0	0	120-129				0	****	0	****	0
130-139		0	0	0	0	0	0	130-139				0	****	****	****	0
140-524		0	0	1	0	1	0	140-524				500	****	111	****	417
UNKNOWN		0	0	0	5	0	2	SLOPE				******	******	0.098	******	0.053
NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	*****	0.021	*****	0.013
WOMEN AGED 70-74 AT EXAM																
TOTAL					0	1	0	TOTAL						17	0	21
030-059					0	0	0	030-059						****	****	0
060-069					0	0	0	060-069						0	****	0
070-079					0	0	0	070-079						0	****	0
080-089					0	1	0	080-089						91	****	111
090-099					0	0	0	090-099						0	****	0
100-109					0	0	0	100-109						0	****	0
110-119					0	0	0	110-119						****	****	0
120-129					0	0	0	120-129						0	****	0
130-139					0	0	0	130-139						****	****	*****
140-524					0	0	0	140-524						****	****	0
UNKNOWN					0	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-5

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: SERUM CHOLESTEROL (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 29-34 AT EXAM																
TOTAL	3	2	0					TOTAL	8	11	0					8
096-189	0	0	0					096-189	0	0	0					0
190-204	1	0	0					190-204	25	0	0					0
205-219	0	1	0					205-219	0	48	0					0
220-234	1	0	0					220-234	22	0	0					60
235-249	0	0	0					235-249	0	0	0					0
250-264	0	0	0					250-264	0	0	0					0
265-279	0	0	0					265-279	0	0	0					0
280-294	0	0	0					280-294	0	0	0					0
295-309	0	0	0					295-309	0	0	****					0
310-1124	0	1	0					310-1124	0	333	****					0
UNKNOWN	1	0	0					SLOPE	******	******	******					******
NO EXAM	0	0	0					STD.ERROR	*****	*****	*****					*****
MEN AGED 35-39 AT EXAM																
TOTAL	3	0	2	1	1	0		TOTAL	7	0	5	4	10			6
096-189	0	0	0	0	0	0		096-189	0	0	0	0	0			0
190-204	0	0	0	0	0	0		190-204	0	0	0	0	0			0
205-219	0	0	0	0	0	0		205-219	0	0	0	0	0			0
220-234	1	0	1	0	0	0		220-234	17	0	16	0	0			21
235-249	0	0	0	1	1	0		235-249	0	0	0	34	125			0
250-264	0	0	0	0	0	0		250-264	0	0	0	0	0			0
265-279	0	0	0	0	0	0		265-279	0	0	0	0	0			0
280-294	0	0	0	0	0	0		280-294	0	0	0	0	0			0
295-309	0	0	1	0	0	0		295-309	0	0	100	0	0			0
310-1124	0	0	0	0	0	0		310-1124	0	0	0	0	0			0
UNKNOWN	2	0	0	0	0	0		SLOPE	******	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	*****	*****	*****	*****	*****			*****
MEN AGED 40-44 AT EXAM																
TOTAL	8	6	4	1	0	1	0	TOTAL	19	15	9	2	0	3	0	4
096-189	0	2	1	0	0	0	0	096-189	0	31	14	0	0	0	0	14
190-204	0	0	0	0	0	0	0	190-204	0	0	0	0	0	0	0	0
205-219	1	0	0	0	0	0	0	205-219	36	0	0	0	0	0	0	0
220-234	1	0	0	0	0	0	0	220-234	21	0	0	0	0	0	0	0
235-249	1	0	0	0	0	0	0	235-249	36	0	0	0	0	0	0	0
250-264	0	1	1	0	0	0	0	250-264	0	28	29	0	0	0	0	0
265-279	0	0	0	0	0	0	0	265-279	0	0	0	0	0	0	0	0
280-294	0	0	0	0	0	0	0	280-294	0	0	0	0	0	0	0	0
295-309	0	0	0	0	0	0	0	295-309	0	0	0	0	0	0	0	0
310-1124	0	0	0	0	0	1	0	310-1124	0	0	0	0	0	50	0	42
UNKNOWN	5	1	0	0	0	0	0	SLOPE	0.001	-0.010	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.012	0.013	*****	*****	*****	*****	*****	*****

TABLE 18-B-5

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: SERUM CHOLESTEROL (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 45-49 AT EXAM																
TOTAL	9	8	8	6	5	1	0	TOTAL	25	20	20	15	12	2	0	9
096-189	1	0	0	1	0	0	0	096-189	29	0	0	26	0	0	0	0
190-204	0	0	0	0	1	0	0	190-204	0	0	0	0	27	0	0	0
205-219	0	1	1	1	1	0	0	205-219	0	16	15	19	19	0	0	14
220-234	2	2	1	1	0	0	0	220-234	53	33	21	19	0	0	0	0
235-249	0	2	2	0	0	0	0	235-249	0	37	47	0	0	0	0	0
250-264	0	1	1	0	0	0	0	250-264	0	27	20	0	0	0	0	16
265-279	0	1	0	1	1	0	0	265-279	0	53	0	29	34	0	0	27
280-294	1	0	1	0	0	0	0	280-294	100	0	71	0	0	0	0	0
295-309	0	0	1	1	1	0	0	295-309	0	0	125	111	71	0	0	65
310-1124	0	0	0	0	0	0	0	310-1124	0	0	0	0	0	0	0	0
UNKNOWN	5	0	0	0	0	0	0	SLOPE	0.005	0.006	0.013	-0.002	0.003	******	******	0.013
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.013	0.010	0.010	0.011	0.012	*****	*****	0.012
MEN AGED 50-54 AT EXAM																
TOTAL	16	11	8	7	6	2	0	TOTAL	43	32	24	18	15	5	0	25
096-189	2	2	2	0	0	0	0	096-189	48	43	69	0	0	0	0	47
190-204	1	0	0	1	0	0	0	190-204	42	0	0	28	0	0	0	0
205-219	1	2	2	0	0	1	0	205-219	40	45	38	0	0	20	0	31
220-234	1	1	0	2	3	1	0	220-234	33	17	0	34	53	20	0	14
235-249	4	2	2	0	2	0	0	235-249	148	51	59	0	43	0	0	49
250-264	0	2	1	1	0	0	0	250-264	0	62	37	24	0	0	0	0
265-279	0	0	0	1	0	0	0	265-279	0	0	0	40	0	0	0	25
280-294	3	1	0	2	0	0	0	280-294	176	62	0	154	0	0	0	43
295-309	0	0	1	0	0	0	0	295-309	0	0	125	0	0	0	0	0
310-1124	0	0	0	0	1	0	0	310-1124	0	0	0	0	48	0	0	0
UNKNOWN	4	1	0	0	0	0	0	SLOPE	0.002	-0.003	-0.003	0.013	0.003	******	******	-0.007
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.007	0.008	0.009	0.011	0.009	*****	*****	0.007
MEN AGED 55-59 AT EXAM																
TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
096-189	1	3	1	0	0	0	0	096-189	24	62	24	0	0	0	0	0
190-204	2	1	0	0	0	0	0	190-204	87	26	0	0	0	0	0	0
205-219	3	3	1	1	0	0	0	205-219	125	65	25	22	0	0	0	39
220-234	2	0	0	0	0	1	1	220-234	61	0	0	0	0	19	19	35
235-249	2	2	3	0	1	1	0	235-249	118	77	62	0	21	22	0	38
250-264	1	0	1	1	0	2	1	250-264	91	0	24	28	0	45	23	42
265-279	0	1	0	0	1	0	1	265-279	0	56	0	0	40	0	24	31
280-294	1	2	2	0	0	0	0	280-294	111	143	143	0	0	0	0	134
295-309	0	2	1	0	0	0	0	295-309	0	133	100	0	0	0	0	70
310-1124	1	0	0	0	0	1	0	310-1124	200	0	0	0	0	100	0	62
UNKNOWN	5	0	0	1	0	0	0	SLOPE	0.005	0.003	0.008	******	******	0.015	0.009	0.014
NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.007	0.007	0.008	*****	*****	0.013	0.015	0.007

TABLE 18-B-5

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: SERUM CHOLESTEROL (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
096-189	2	2	4	2	1	1	0	096-189	182	77	100	56	33	38	0	168
190-204	1	2	0	0	0	0	0	190-204	111	111	0	0	0	0	0	0
205-219	0	0	3	0	0	0	0	205-219	0	0	71	0	0	0	0	0
220-234	0	2	3	0	0	0	0	220-234	0	95	107	0	0	0	0	0
235-249	0	1	1	2	0	0	0	235-249	0	48	36	61	0	0	0	50
250-264	0	1	1	1	0	0	0	250-264	0	48	50	34	0	0	0	0
265-279	0	0	0	0	0	0	0	265-279	0	0	0	0	0	0	0	0
280-294	0	0	1	2	0	0	0	280-294	0	0	91	105	0	0	0	59
295-309	1	0	1	1	0	0	0	295-309	1000	0	143	91	0	0	0	0
310-1124	0	2	0	0	1	0	0	310-1124	0	500	0	0	67	0	0	0
UNKNOWN	0	1	0	0	0	0	0	SLOPE	-0.012	0.007	-0.001	0.006	******	******	******	-0.021
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	0.014	0.008	0.007	0.009	*****	*****	*****	0.008
MEN AGED 65-69 AT EXAM																
TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
096-189		0	0	1	0	0	0	096-189				62	0	0	0	0
190-204		0	0	1	0	0	0	190-204				71	0	0	0	0
205-219		0	1	2	2	1	0	205-219				167	154	38	0	181
220-234		0	0	0	3	0	0	220-234				0	88	0	0	49
235-249		0	0	2	0	0	0	235-249				105	0	0	0	0
250-264		0	1	1	1	1	0	250-264				143	53	30	0	112
265-279		0	0	0	0	0	0	265-279				0	0	0	0	0
280-294		0	0	1	1	0	0	280-294				250	77	0	0	93
295-309		0	0	0	1	0	0	295-309				0	250	0	0	208
310-1124		0	0	0	1	0	0	310-1124				0	167	0	0	0
UNKNOWN		0	0	0	0	0	0	SLOPE				0.001	0.011	******	******	0.005
NO EXAM		0	1	0	0	1	0	STD.ERROR				0.008	0.009	*****	*****	0.009
MEN AGED 70-74 AT EXAM																
TOTAL					1	1	0	TOTAL						20	0	60
096-189					1	0	0	096-189						0	0	357
190-204					0	0	0	190-204						0	0	0
205-219					0	1	0	205-219						250	0	357
220-234					0	0	0	220-234						0	0	0
235-249					0	0	0	235-249						0	0	0
250-264					0	0	0	250-264						0	0	0
265-279					0	0	0	265-279						0	0	0
280-294					0	0	0	280-294						****	0	0
295-309					0	0	0	295-309						0	0	0
310-1124					0	0	0	310-1124						0	0	0
UNKNOWN					0	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-5

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: SERUM CHOLESTEROL (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 29-34 AT EXAM																
TOTAL	0	0	0					TOTAL	0	0	0					0
096-189	0	0	0					096-189	0	0	0					0
190-204	0	0	0					190-204	0	0	0					0
205-219	0	0	0					205-219	0	0	0					0
220-234	0	0	0					220-234	0	0	0					0
235-249	0	0	0					235-249	0	0	0					0
250-264	0	0	0					250-264	0	0	0					0
265-279	0	0	0					265-279	0	0	0					0
280-294	0	0	0					280-294	0	0	****					0
295-309	0	0	0					295-309	0	0	****					0
310-1124	0	0	0					310-1124	0	0	****					0
UNKNOWN	0	0	0					SLOPE	******	******	******					******
NO EXAM	0	0	0					STD.ERROR	*****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM																
TOTAL	4	1	1	0	0	0		TOTAL	7	2	2	0	0			0
096-189	0	0	0	0	0	0		096-189	0	0	0	0	0			0
190-204	0	0	0	0	0	0		190-204	0	0	0	0	0			0
205-219	1	0	0	0	0	0		205-219	25	0	0	0	0			0
220-234	0	0	0	0	0	0		220-234	0	0	0	0	0			0
235-249	1	0	0	0	0	0		235-249	40	0	0	0	0			0
250-264	0	1	0	0	0	0		250-264	0	50	0	0	0			0
265-279	0	0	0	0	0	0		265-279	0	0	0	0	0			0
280-294	0	0	0	0	0	0		280-294	0	0	0	0	0			0
295-309	0	0	0	0	0	0		295-309	0	0	0	0	****			0
310-1124	0	0	0	0	0	0		310-1124	0	0	0	0	0			0
UNKNOWN	2	0	1	0	0	0		SLOPE	******	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	*****	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM																
TOTAL	3	4	4	3	1	0	0	TOTAL	6	7	7	5	2	0	0	6
096-189	1	1	1	1	0	0	0	096-189	13	9	10	9	0	0	0	8
190-204	1	1	1	0	0	0	0	190-204	17	12	14	0	0	0	0	11
205-219	0	0	0	0	0	0	0	205-219	0	0	0	0	0	0	0	0
220-234	1	0	1	0	0	0	0	220-234	19	0	16	0	0	0	0	0
235-249	0	0	0	0	0	0	0	235-249	0	0	0	0	0	0	0	0
250-264	0	0	0	0	0	0	0	250-264	0	0	0	0	0	0	0	0
265-279	0	0	0	1	1	0	0	265-279	0	0	0	48	45	0	0	37
280-294	0	1	0	0	0	0	0	280-294	0	62	0	0	0	0	0	0
295-309	0	0	0	0	0	0	0	295-309	0	0	0	0	0	0	0	0
310-1124	0	0	0	0	0	0	0	310-1124	0	0	0	0	0	0	0	0
UNKNOWN	0	0	1	1	0	0	0	SLOPE	-0.014	-0.003	-0.011	******	******	******	******	-0.001
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.016	0.014	0.015	*****	*****	*****	*****	0.014

TABLE 18-B-5

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: SERUM CHOLESTEROL (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 45-49 AT EXAM																
TOTAL	5	4	1	1	1	1	0	TOTAL	11	9	2	2	2	2	0	3
096-189	0	1	0	1	1	1	0	096-189	0	17	0	23	29	28	0	32
190-204	0	2	0	0	0	0	0	190-204	0	36	0	0	0	0	0	0
205-219	2	0	0	0	0	0	0	205-219	69	0	0	0	0	0	0	0
220-234	1	1	0	0	0	0	0	220-234	23	16	0	0	0	0	0	0
235-249	0	0	1	0	0	0	0	235-249	0	0	23	0	0	0	0	0
250-264	0	0	0	0	0	0	0	250-264	0	0	0	0	0	0	0	0
265-279	0	0	0	0	0	0	0	265-279	0	0	0	0	0	0	0	0
280-294	0	0	0	0	0	0	0	280-294	0	0	0	0	0	0	0	0
295-309	0	0	0	0	0	0	0	295-309	0	0	0	0	0	0	0	0
310-1124	0	0	0	0	0	0	0	310-1124	0	0	0	0	0	0	0	0
UNKNOWN	2	0	0	0	0	0	0	SLOPE	-0.006	-0.020	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.012	0.012	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM																
TOTAL	15	8	6	3	1	1	0	TOTAL	35	18	14	7	2	2	0	5
096-189	2	1	1	0	0	0	0	096-189	74	31	37	0	0	0	0	32
190-204	0	0	0	0	0	0	0	190-204	0	0	0	0	0	0	0	0
205-219	1	1	1	0	0	0	0	205-219	38	27	29	0	0	0	0	0
220-234	2	2	0	1	1	0	0	220-234	50	30	0	19	19	0	0	0
235-249	1	1	2	0	0	0	0	235-249	62	17	30	0	0	0	0	14
250-264	0	2	1	0	0	0	0	250-264	0	42	24	0	0	0	0	0
265-279	1	1	0	0	0	0	0	265-279	37	31	0	0	0	0	0	0
280-294	1	0	0	0	0	0	0	280-294	48	0	0	0	0	0	0	0
295-309	0	0	0	0	0	0	0	295-309	0	0	0	0	0	0	0	0
310-1124	2	0	0	0	0	0	0	310-1124	91	0	0	0	0	0	0	0
UNKNOWN	5	0	0	2	0	1	0	SLOPE	-0.001	-0.006	-0.009	******	******	******	******	******
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.007	0.008	0.009	*****	*****	*****	*****	*****
WOMEN AGED 55-59 AT EXAM																
TOTAL	15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
096-189	1	0	2	0	0	1	0	096-189	83	0	100	0	0	111	0	54
190-204	0	2	0	2	2	0	0	190-204	0	91	0	91	83	0	0	38
205-219	1	0	0	1	1	0	0	205-219	62	0	0	37	29	0	0	0
220-234	1	3	2	1	1	1	0	220-234	28	54	40	28	24	32	0	34
235-249	0	2	2	0	0	0	0	235-249	0	51	56	0	0	0	0	0
250-264	0	3	2	1	0	0	0	250-264	0	71	45	18	0	0	0	0
265-279	0	1	3	0	0	0	0	265-279	0	21	75	0	0	0	0	18
280-294	1	0	2	1	1	0	0	280-294	56	0	67	23	20	0	0	19
295-309	1	3	1	0	0	0	0	295-309	62	125	37	0	0	0	0	0
310-1124	0	4	1	2	1	0	0	310-1124	0	82	29	45	19	0	0	31
UNKNOWN	10	0	0	1	0	0	0	SLOPE	-0.004	0.005	-0.001	0.001	-0.010	******	******	-0.004
NO EXAM	0	0	1	1	0	0	0	STD.ERROR	0.009	0.005	0.006	0.008	0.008	*****	*****	0.008

TABLE 18-B-5

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: SERUM CHOLESTEROL (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 60-64 AT EXAM																
TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
096-189	0	1	0	0	0	0	0	096-189	0	143	0	0	0	0	0	88
190-204	1	0	0	0	0	0	0	190-204	333	0	0	0	0	0	0	0
205-219	0	0	1	2	0	1	0	205-219	0	0	45	71	0	53	0	106
220-234	0	3	4	0	1	1	0	220-234	0	115	143	0	31	26	0	50
235-249	0	1	0	1	1	0	1	235-249	0	40	0	26	24	0	26	22
250-264	0	1	2	0	0	0	0	250-264	0	38	49	0	0	0	0	0
265-279	1	0	0	1	1	1	1	265-279	200	0	0	23	22	21	17	41
280-294	0	3	0	1	0	0	0	280-294	0	187	0	33	0	0	0	0
295-309	1	0	1	1	1	0	1	295-309	333	0	56	32	56	0	36	35
310-1124	0	0	1	3	2	3	1	310-1124	0	0	38	73	32	54	17	37
UNKNOWN	0	0	0	1	1	0	0	SLOPE	0.007	-0.003	-0.003	0.010	0.008	0.012	0.016	-0.002
NO EXAM	0	0	1	2	2	1	0	STD.ERROR	0.016	0.007	0.008	0.008	0.009	0.009	0.010	0.006
WOMEN AGED 65-69 AT EXAM																
TOTAL		0	1	3	6	3	2	TOTAL				24	24	9	6	47
096-189		0	0	0	0	0	0	096-189				0	0	0	0	0
190-204		0	0	0	1	0	0	190-204				0	111	0	0	185
205-219		0	0	0	0	0	0	205-219				0	0	0	0	0
220-234		0	0	0	1	0	0	220-234				0	45	0	0	54
235-249		0	0	1	1	0	0	235-249				71	29	0	0	0
250-264		0	0	0	0	0	0	250-264				0	0	0	0	0
265-279		0	0	0	1	1	0	265-279				0	38	29	0	46
280-294		0	0	1	0	0	0	280-294				111	0	0	0	53
295-309		0	0	0	1	0	1	295-309				0	50	0	29	64
310-1124		0	1	0	0	2	1	310-1124				0	0	42	17	136
UNKNOWN		0	0	0	0	0	0	SLOPE				******	-0.005	0.026	******	0.016
NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	0.010	0.013	*****	0.007
WOMEN AGED 70-74 AT EXAM																
TOTAL					0	1	0	TOTAL						17	0	21
096-189					0	0	0	096-189						0	0	0
190-204					0	0	0	190-204						0	0	0
205-219					0	1	0	205-219						250	0	385
220-234					0	0	0	220-234						0	0	0
235-249					0	0	0	235-249						0	0	0
250-264					0	0	0	250-264						0	0	0
265-279					0	0	0	265-279						0	0	0
280-294					0	0	0	280-294						0	0	0
295-309					0	0	0	295-309						0	0	0
310-1124					0	0	0	310-1124						0	0	0
UNKNOWN					0	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-6

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: CIGARETTES SMOKED (NUMBER PER DAY)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 29-34 AT EXAM																	
	TOTAL	3	2	0					TOTAL	8	11	0					8
NONE		0	0	0					NONE	0	****	****					0
UNDER 20		0	0	0					UNDER 20	0	****	****					0
20		2	0	0					20	19	****	****					0
OVER 20		1	0	0					OVER 20	11	****	****					37
UNKNOWN		0	2	0					SLOPE	0.686	******	******					******
NO EXAM		0	0	0					STD.ERROR	0.496	*****	*****					*****
MEN AGED 35-39 AT EXAM																	
	TOTAL	3	0	2	1	1	0		TOTAL	7	0	5	4	10			6
NONE		2	0	0	0	1	0		NONE	18	****	****	0	25			10
UNDER 20		0	0	0	0	0	0		UNDER 20	0	****	****	0	0			0
20		0	0	0	1	0	0		20	0	****	****	16	0			10
OVER 20		1	0	0	0	0	0		OVER 20	8	****	****	0	0			0
UNKNOWN		0	0	2	0	0	0		SLOPE	-0.458	******	******	******	******			******
NO EXAM		0	0	0	0	0	0		STD.ERROR	0.508	*****	*****	*****	*****			*****
MEN AGED 40-44 AT EXAM																	
	TOTAL	8	6	4	1	0	1	0	TOTAL	19	15	9	2	0	3	0	4
NONE		1	0	0	0	0	0	0	NONE	8	****	****	0	0	****	0	6
UNDER 20		1	0	0	0	0	0	0	UNDER 20	14	****	****	0	0	****	0	0
20		2	0	0	0	0	0	0	20	17	****	****	0	0	****	0	0
OVER 20		4	0	0	0	0	0	0	OVER 20	42	****	****	0	0	****	0	7
UNKNOWN		0	4	2	0	0	1	0	SLOPE	0.535	******	******	******	******	******	******	******
NO EXAM		0	2	2	1	0	0	0	STD.ERROR	0.310	*****	*****	*****	*****	*****	*****	*****
MEN AGED 45-49 AT EXAM																	
	TOTAL	9	8	8	6	5	1	0	TOTAL	25	20	20	15	12	2	0	9
NONE		2	0	0	1	1	0	0	NONE	15	****	****	9	8	****	0	0
UNDER 20		0	0	0	1	1	0	0	UNDER 20	0	****	****	20	17	****	0	13
20		3	0	0	2	2	0	0	20	36	****	****	21	20	****	0	15
OVER 20		3	0	0	1	0	0	0	OVER 20	34	****	****	14	0	****	0	8
UNKNOWN		1	7	7	0	0	0	0	SLOPE	0.362	******	******	0.164	-0.084	******	******	0.423
NO EXAM		0	1	1	1	1	1	0	STD.ERROR	0.295	*****	*****	0.387	0.431	*****	*****	0.418
MEN AGED 50-54 AT EXAM																	
	TOTAL	16	11	8	7	6	2	0	TOTAL	43	32	24	18	15	5	0	25
NONE		4	0	0	2	1	0	0	NONE	27	****	****	14	7	****	0	36
UNDER 20		2	0	0	1	2	0	0	UNDER 20	30	****	****	22	41	****	0	28
20		7	0	0	2	2	0	0	20	80	****	****	23	23	****	0	18
OVER 20		3	0	0	2	1	0	0	OVER 20	44	****	****	31	15	****	0	20
UNKNOWN		0	11	8	0	0	2	0	SLOPE	0.277	******	******	0.255	0.226	******	******	-0.233
NO EXAM		0	0	0	0	0	0	0	STD.ERROR	0.221	*****	*****	0.323	0.349	*****	*****	0.233

TABLE 18-B-6

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: CIGARETTES SMOKED (NUMBER PER DAY)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 55-59 AT EXAM																
TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
NONE	8	0	0	1	2	0	2	NONE	62	****	****	8	16	****	13	26
UNDER 20	4	0	0	0	0	0	0	UNDER 20	71	****	****	0	0	****	0	41
20	4	0	0	2	0	0	1	20	68	****	****	30	0	****	20	45
OVER 20	2	0	0	0	0	0	0	OVER 20	67	****	****	0	0	****	0	63
UNKNOWN	0	14	9	0	0	5	0	SLOPE	0.035	******	******	0.261	******	******	-0.303	0.296
NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.229	*****	*****	0.526	*****	*****	0.465	0.222
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
NONE	0	0	0	5	0	0	0	NONE	0	****	****	38	0	****	0	25
UNDER 20	2	0	0	1	0	0	0	UNDER 20	167	****	****	24	0	****	0	39
20	2	0	0	2	2	0	0	20	143	****	****	47	47	****	0	52
OVER 20	0	0	0	0	0	0	0	OVER 20	0	****	****	0	0	****	0	30
UNKNOWN	0	11	14	0	0	1	0	SLOPE	0.641	******	******	-0.210	******	******	******	0.184
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	0.498	*****	*****	0.335	*****	*****	*****	0.296
MEN AGED 65-69 AT EXAM																
TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
NONE		0	0	3	5	0	0	NONE				64	53	****	0	50
UNDER 20		0	0	3	2	0	0	UNDER 20				158	56	****	0	75
20		0	0	1	1	0	0	20				71	45	****	0	97
OVER 20		0	0	1	1	0	0	OVER 20				111	91	****	0	100
UNKNOWN		0	2	0	0	2	0	SLOPE				0.171	0.100	******	******	0.314
NO EXAM		0	1	0	0	1	0	STD.ERROR				0.356	0.362	*****	*****	0.346
MEN AGED 70-74 AT EXAM																
TOTAL					1	1	0	TOTAL						20	0	60
NONE					0	0	0	NONE						****	0	61
UNDER 20					1	0	0	UNDER 20						****	0	179
20					0	0	0	20						****	0	0
OVER 20					0	0	0	OVER 20						****	0	0
UNKNOWN					0	1	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-6

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: CIGARETTES SMOKED (NUMBER PER DAY)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 29-34 AT EXAM															
TOTAL	0	0	0					TOTAL 0	0	0					0
NONE	0	0	0					NONE 0	****	****					0
UNDER 20	0	0	0					UNDER 20 0	****	****					0
20	0	0	0					20 0	****	****					0
OVER 20	0	0	0					OVER 20 0	****	****					0
UNKNOWN	0	0	0					SLOPE ******	******	******					******
NO EXAM	0	0	0					STD.ERROR *****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM															
TOTAL	4	1	1	0	0	0		TOTAL 7	2	2	0	0			0
NONE	1	0	0	0	0	0		NONE 4	****	****	0	0			0
UNDER 20	3	0	0	0	0	0		UNDER 20 15	****	****	0	0			0
20	0	0	0	0	0	0		20 0	****	****	0	0			0
OVER 20	0	0	0	0	0	0		OVER 20 0	****	****	0	0			0
UNKNOWN	0	1	1	0	0	0		SLOPE -0.049	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR 0.589	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM															
TOTAL	3	4	4	3	1	0	0	TOTAL 6	7	7	5	2	0	0	6
NONE	1	0	0	1	1	0	0	NONE 4	****	****	4	5	****	0	3
UNDER 20	2	0	0	2	0	0	0	UNDER 20 13	****	****	12	0	****	0	15
20	0	0	0	0	0	0	0	20 0	****	****	0	0	****	0	0
OVER 20	0	0	0	0	0	0	0	OVER 20 0	****	****	0	0	****	0	0
UNKNOWN	0	3	4	0	0	0	0	SLOPE -0.007	******	******	-0.190	******	******	******	-0.057
NO EXAM	0	1	0	0	0	0	0	STD.ERROR 0.686	*****	*****	0.641	*****	*****	*****	0.553
WOMEN AGED 45-49 AT EXAM															
TOTAL	5	4	1	1	1	1	0	TOTAL 11	9	2	2	2	2	0	3
NONE	3	0	0	1	1	0	0	NONE 10	****	****	4	4	****	0	3
UNDER 20	0	0	0	0	0	0	0	UNDER 20 0	****	****	0	0	****	0	6
20	1	0	0	0	0	0	0	20 26	****	****	0	0	****	0	0
OVER 20	1	0	0	0	0	0	0	OVER 20 71	****	****	0	0	****	0	0
UNKNOWN	0	4	1	0	0	1	0	SLOPE 0.897	******	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR 0.576	*****	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM															
TOTAL	15	8	6	3	1	1	0	TOTAL 35	18	14	7	2	2	0	5
NONE	10	0	0	2	1	0	0	NONE 35	****	****	7	4	****	0	5
UNDER 20	5	0	0	1	0	0	0	UNDER 20 53	****	****	14	0	****	0	0
20	0	0	0	0	0	0	0	20 0	****	****	0	0	****	0	15
OVER 20	0	0	0	0	0	0	0	OVER 20 0	****	****	0	0	****	0	0
UNKNOWN	0	8	5	0	0	1	0	SLOPE -0.207	******	******	-0.238	******	******	******	0.144
NO EXAM	0	0	1	0	0	0	0	STD.ERROR 0.362	*****	*****	0.682	*****	*****	*****	0.677

TABLE 18-B-6

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: CIGARETTES SMOKED (NUMBER PER DAY)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 55-59 AT EXAM															
TOTAL	15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
NONE	12	0	0	5	3	0	0	NONE	41	****	****	18	11	****	0	15
UNDER 20	3	0	0	3	2	0	0	UNDER 20	54	****	****	48	28	****	0	21
20	0	0	0	0	1	0	0	20	0	****	****	0	38	****	0	26
OVER 20	0	0	0	0	0	0	0	OVER 20	0	****	****	0	0	****	0	0
UNKNOWN	0	18	15	1	0	2	0	SLOPE	-0.223	******	******	-0.085	0.550	******	******	0.063
NO EXAM	0	0	1	1	0	0	0	STD.ERROR	0.419	*****	*****	0.463	0.574	*****	*****	0.441
WOMEN AGED 60-64 AT EXAM															
TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
NONE	2	0	0	8	5	0	2	NONE	36	****	****	31	21	****	7	30
UNDER 20	1	0	0	1	2	0	1	UNDER 20	143	****	****	21	35	****	18	50
20	0	0	0	0	0	0	0	20	0	****	****	0	0	****	0	0
OVER 20	0	0	0	0	0	0	1	OVER 20	0	****	****	0	0	****	77	122
UNKNOWN	0	9	9	1	0	6	0	SLOPE	0.372	******	******	-0.445	-0.218	******	1.040	0.269
NO EXAM	0	0	1	2	2	1	0	STD.ERROR	1.025	*****	*****	0.534	0.536	*****	0.655	0.406
WOMEN AGED 65-69 AT EXAM															
TOTAL		0	1	3	6	3	2	TOTAL				24	24	9	6	47
NONE		0	0	2	5	0	2	NONE				22	29	****	9	54
UNDER 20		0	0	0	0	0	0	UNDER 20				0	0	****	0	34
20		0	0	0	0	0	0	20				0	0	****	0	0
OVER 20		0	0	0	0	0	0	OVER 20				****	0	****	0	0
UNKNOWN		0	1	0	0	3	0	SLOPE				******	-0.769	******	******	-0.454
NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	0.808	*****	*****	0.573
WOMEN AGED 70-74 AT EXAM															
TOTAL					0	1	0	TOTAL						17	0	21
NONE					0	0	0	NONE						****	0	29
UNDER 20					0	0	0	UNDER 20						****	0	0
20					0	0	0	20						****	0	0
OVER 20					0	0	0	OVER 20						****	0	0
UNKNOWN					0	1	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-7

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: FRAMINGHAM RELATIVE WEIGHT (PERCENT)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 29-34 AT EXAM																
TOTAL	3	2	0					TOTAL	8	11	0					8
052-084	1	1	0					052-084	22	91	0					0
085-089	0	0	0					085-089	0	0	****					0
090-094	0	0	0					090-094	0	0	0					0
095-099	1	0	0					095-099	14	0	0					48
100-104	0	0	0					100-104	0	0	0					0
105-109	0	0	0					105-109	0	0	0					0
110-114	0	0	0					110-114	0	0	0					0
115-119	0	0	0					115-119	0	0	0					0
120-124	0	0	0					120-124	0	0	0					0
125-226	1	1	0					125-226	48	111	0					0
UNKNOWN	0	0	0					SLOPE	0.006	******	******					******
NO EXAM	0	0	0					STD.ERROR	0.041	*****	*****					*****
MEN AGED 35-39 AT EXAM																
TOTAL	3	0	2	1	1	0		TOTAL	7	0	5	4	10			6
052-084	0	0	0	0	0	0		052-084	0	0	0	0	0			0
085-089	0	0	1	0	0	0		085-089	0	0	25	0	0			35
090-094	0	0	0	0	0	0		090-094	0	0	0	0	0			0
095-099	1	0	0	0	0	0		095-099	17	0	0	0	0			0
100-104	0	0	0	0	0	0		100-104	0	0	0	0	0			0
105-109	0	0	0	0	0	0		105-109	0	0	0	0	0			0
110-114	0	0	0	0	0	0		110-114	0	0	0	0	0			0
115-119	0	0	0	0	0	0		115-119	0	0	0	0	0			0
120-124	0	0	0	0	0	0		120-124	0	0	0	0	0			0
125-226	2	0	1	1	1	0		125-226	62	0	48	71	143			51
UNKNOWN	0	0	0	0	0	0		SLOPE	0.105	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	0.040	*****	*****	*****	*****			*****
MEN AGED 40-44 AT EXAM																
TOTAL	8	6	4	1	0	1	0	TOTAL	19	15	9	2	0	3	0	4
052-084	0	0	0	0	0	0	0	052-084	0	0	0	0	0	0	0	0
085-089	0	0	0	0	0	0	0	085-089	0	0	0	0	0	0	0	0
090-094	0	1	0	0	0	0	0	090-094	0	24	0	0	0	0	0	0
095-099	2	1	1	0	0	0	0	095-099	31	20	17	0	0	0	0	0
100-104	0	0	0	0	0	0	0	100-104	0	0	0	0	0	0	0	0
105-109	0	0	0	0	0	0	0	105-109	0	0	0	0	0	0	0	0
110-114	3	1	0	0	0	0	0	110-114	67	22	0	0	0	0	0	0
115-119	2	0	1	0	0	0	0	115-119	65	0	32	0	0	0	0	0
120-124	0	1	0	0	0	0	0	120-124	0	56	0	0	0	0	0	40
125-226	1	0	0	0	0	1	0	125-226	53	0	0	0	0	40	0	31
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.057	0.024	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.026	0.038	*****	*****	*****	*****	*****	*****

TABLE 18-B-7

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: FRAMINGHAM RELATIVE WEIGHT (PERCENT)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 45-49 AT EXAM																
TOTAL	9	8	8	6	5	1	0	TOTAL	25	20	20	15	12	2	0	9
052-084	0	0	0	0	0	0	0	052-084	0	0	0	0	0	0	0	0
085-089	0	0	0	0	0	0	0	085-089	0	0	0	0	0	0	0	0
090-094	1	1	2	0	1	0	0	090-094	23	29	54	0	28	0	0	18
095-099	0	0	0	1	1	0	0	095-099	0	0	0	24	18	0	0	13
100-104	4	1	1	1	1	0	0	100-104	73	20	20	21	17	0	0	26
105-109	0	1	0	0	0	0	0	105-109	0	20	0	0	0	0	0	0
110-114	2	0	2	1	1	0	0	110-114	69	0	48	20	26	0	0	0
115-119	1	2	1	1	0	0	0	115-119	42	69	38	34	0	0	0	0
120-124	1	1	0	1	0	0	0	120-124	83	71	0	62	0	0	0	0
125-226	0	1	1	0	0	0	0	125-226	0	56	62	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.028	0.060	0.032	0.039	-0.014	******	******	-0.023
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.026	0.028	0.028	0.033	0.039	*****	*****	0.037
MEN AGED 50-54 AT EXAM																
TOTAL	16	11	8	7	6	2	0	TOTAL	43	32	24	18	15	5	0	25
052-084	0	0	0	1	1	0	0	052-084	0	0	0	36	30	0	0	0
085-089	2	1	0	0	0	0	0	085-089	80	56	0	0	0	0	0	31
090-094	4	2	1	1	0	0	0	090-094	67	50	29	26	0	0	0	19
095-099	3	2	3	0	0	0	0	095-099	68	41	81	0	0	0	0	32
100-104	0	0	0	1	0	0	0	100-104	0	0	0	15	0	0	0	13
105-109	4	2	1	0	0	0	0	105-109	62	42	29	0	0	0	0	43
110-114	1	0	0	1	1	2	0	110-114	26	0	0	29	22	53	0	19
115-119	0	0	2	2	1	0	0	115-119	0	0	74	71	29	0	0	27
120-124	0	1	0	0	2	0	0	120-124	0	77	0	0	105	0	0	43
125-226	2	3	1	1	1	0	0	125-226	105	214	56	71	48	0	0	83
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.000	0.042	0.024	0.018	0.052	******	******	0.029
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.020	0.025	0.027	0.029	0.030	*****	*****	0.021
MEN AGED 55-59 AT EXAM																
TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
052-084	1	1	0	0	0	1	0	052-084	26	31	0	0	0	53	0	31
085-089	1	1	0	0	0	0	0	085-089	50	50	0	0	0	0	0	0
090-094	0	1	2	1	0	0	0	090-094	0	33	62	48	0	0	0	53
095-099	3	4	2	0	0	1	1	095-099	60	78	54	0	0	22	21	48
100-104	4	3	1	0	1	0	0	100-104	98	75	19	0	18	0	0	30
105-109	1	0	1	0	1	1	1	105-109	36	0	25	0	22	23	22	17
110-114	1	1	1	1	0	1	0	110-114	32	24	20	30	0	42	0	22
115-119	3	0	0	1	0	1	0	115-119	187	0	0	45	0	37	0	62
120-124	1	2	0	0	0	0	1	120-124	77	167	0	0	0	0	59	47
125-226	3	1	2	0	0	0	0	125-226	273	125	200	0	0	0	0	139
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.055	0.006	0.034	0.014	******	-0.005	0.032	0.029
NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.018	0.021	0.028	0.048	*****	0.037	0.043	0.020

TABLE 18-B-7

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: FRAMINGHAM RELATIVE WEIGHT (PERCENT)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
052-084	1	1	1	0	0	1	0	052-084	125	53	34	0	0	48	0	73
085-089	0	0	1	1	1	0	0	085-089	0	0	59	50	83	0	0	0
090-094	1	1	0	3	0	0	0	090-094	167	83	0	130	0	0	0	69
095-099	0	1	3	1	1	0	0	095-099	0	37	77	22	23	0	0	20
100-104	1	2	0	2	0	0	0	100-104	83	80	0	44	0	0	0	21
105-109	0	2	2	0	0	0	0	105-109	0	105	61	0	0	0	0	0
110-114	0	0	1	0	0	0	0	110-114	0	0	62	0	0	0	0	0
115-119	1	2	2	1	0	0	0	115-119	125	143	125	77	0	0	0	147
120-124	0	1	3	0	0	0	0	120-124	0	125	333	0	0	0	0	0
125-226	0	1	1	0	0	0	0	125-226	0	143	111	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.031	0.036	0.048	-0.012	******	******	******	-0.010
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	0.033	0.021	0.020	0.029	*****	*****	*****	0.026
MEN AGED 65-69 AT EXAM																
TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
052-084		0	0	0	0	0	0	052-084				0	0	0	0	0
085-089		0	1	1	1	0	0	085-089				143	67	0	0	102
090-094		0	0	0	1	1	0	090-094				0	59	40	0	130
095-099		0	0	0	1	0	0	095-099				0	50	0	0	0
100-104		0	0	2	1	0	0	100-104				182	40	0	0	0
105-109		0	0	2	2	0	0	105-109				154	80	0	0	102
110-114		0	0	0	0	0	0	110-114				0	0	0	0	0
115-119		0	1	1	0	0	0	115-119				125	0	0	0	0
120-124		0	0	1	1	0	0	120-124				200	167	0	0	185
125-226		0	0	1	2	1	0	125-226				200	200	143	0	323
UNKNOWN		0	0	0	0	0	0	SLOPE				0.048	0.045	******	******	0.049
NO EXAM		0	1	0	0	1	0	STD.ERROR				0.023	0.023	*****	*****	0.025
MEN AGED 70-74 AT EXAM																
TOTAL					1	1	0	TOTAL						20	0	60
052-084					0	0	0	052-084						0	0	0
085-089					0	1	0	085-089						200	0	313
090-094					0	0	0	090-094						0	0	0
095-099					1	0	0	095-099						0	0	250
100-104					0	0	0	100-104						0	0	0
105-109					0	0	0	105-109						0	0	0
110-114					0	0	0	110-114						0	0	0
115-119					0	0	0	115-119						0	0	0
120-124					0	0	0	120-124						0	0	0
125-226					0	0	0	125-226						0	0	0
UNKNOWN					0	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-8-7

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: FRAMINGHAM RELATIVE WEIGHT (PERCENT)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 29-34 AT EXAM															
TOTAL	0	0	0					TOTAL	0	0	0				0
052-084	0	0	0					052-084	0	0	0				0
085-089	0	0	0					085-089	0	0	0				0
090-094	0	0	0					090-094	0	0	0				0
095-099	0	0	0					095-099	0	0	0				0
100-104	0	0	0					100-104	0	0	0				0
105-109	0	0	0					105-109	0	0	0				0
110-114	0	0	0					110-114	0	0	0				0
115-119	0	0	0					115-119	0	0	0				0
120-124	0	0	0					120-124	0	0	****				0
125-226	0	0	0					125-226	0	0	0				0
UNKNOWN	0	0	0					SLOPE	******	******	******				******
NO EXAM	0	0	0					STD.ERROR	*****	*****	*****				*****
WOMEN AGED 35-39 AT EXAM															
TOTAL	4	1	1	0	0	0		TOTAL	7	2	2	0	0		0
052-084	2	0	0	0	0	0		052-084	19	0	0	0	0		0
085-089	0	0	0	0	0	0		085-089	0	0	0	0	0		0
090-094	1	1	1	0	0	0		090-094	11	11	15	0	0		0
095-099	0	0	0	0	0	0		095-099	0	0	0	0	0		0
100-104	0	0	0	0	0	0		100-104	0	0	0	0	0		0
105-109	0	0	0	0	0	0		105-109	0	0	0	0	0		0
110-114	0	0	0	0	0	0		110-114	0	0	0	0	0		0
115-119	0	0	0	0	0	0		115-119	0	0	0	0	0		0
120-124	0	0	0	0	0	0		120-124	0	0	0	0	0		0
125-226	1	0	0	0	0	0		125-226	21	0	0	0	0		0
UNKNOWN	0	0	0	0	0	0		SLOPE	0.000	******	******	******	******		******
NO EXAM	0	0	0	0	0	0		STD.ERROR	0.028	*****	*****	*****	*****		*****
WOMEN AGED 40-44 AT EXAM															
TOTAL	3	4	4	3	1	0	0	TOTAL	6	7	7	5	2	0	0	6
052-084	1	1	0	0	0	0	0	052-084	11	12	0	0	0	0	0	0
085-089	0	1	1	0	0	0	0	085-089	0	18	15	0	0	0	0	0
090-094	0	1	2	1	0	0	0	090-094	0	13	27	11	0	0	0	21
095-099	0	0	0	1	1	0	0	095-099	0	0	0	13	12	0	0	11
100-104	1	0	0	0	0	0	0	100-104	17	0	0	0	0	0	0	0
105-109	0	0	0	0	0	0	0	105-109	0	0	0	0	0	0	0	0
110-114	0	0	0	0	0	0	0	110-114	0	0	0	0	0	0	0	0
115-119	1	0	0	0	0	0	0	115-119	45	0	0	0	0	0	0	0
120-124	0	0	0	0	0	0	0	120-124	0	0	0	0	0	0	0	0
125-226	0	0	1	1	0	0	0	125-226	0	0	26	20	0	0	0	20
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.002	-0.049	0.009	0.015	******	******	******	0.011
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.034	0.034	0.029	0.032	*****	*****	*****	0.029

TABLE 18-B-7

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: FRAMINGHAM RELATIVE WEIGHT (PERCENT)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 45-49 AT EXAM															
TOTAL	5	4	1	1	1	1	0	TOTAL	11	9	2	2	2	2	0	3
052-084	0	0	0	0	0	0	0	052-084	0	0	0	0	0	0	0	0
085-089	0	0	0	0	0	0	0	085-089	0	0	0	0	0	0	0	0
090-094	0	0	0	0	0	0	0	090-094	0	0	0	0	0	0	0	0
095-099	0	0	0	1	1	0	0	095-099	0	0	0	15	12	0	0	0
100-104	1	1	1	0	0	0	0	100-104	14	16	23	0	0	0	0	0
105-109	0	0	0	0	0	0	0	105-109	0	0	0	0	0	0	0	0
110-114	0	1	0	0	0	0	0	110-114	0	23	0	0	0	0	0	0
115-119	2	2	0	0	0	0	0	115-119	67	71	0	0	0	0	0	33
120-124	1	0	0	0	0	0	0	120-124	40	0	0	0	0	0	0	0
125-226	1	0	0	0	0	0	0	125-226	20	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	1	0	SLOPE	0.044	0.030	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.025	0.029	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM															
TOTAL	15	8	6	3	1	1	0	TOTAL	35	18	14	7	2	2	0	5
052-084	1	1	0	0	0	0	0	052-084	30	29	0	0	0	0	0	0
085-089	0	0	0	0	0	0	0	085-089	0	0	0	0	0	0	0	0
090-094	1	0	0	0	0	1	0	090-094	36	0	0	0	0	19	0	16
095-099	0	2	1	0	1	0	0	095-099	0	36	19	0	15	0	0	0
100-104	1	0	0	1	0	0	0	100-104	18	0	0	20	0	0	0	0
105-109	1	0	1	0	0	0	0	105-109	21	0	22	0	0	0	0	0
110-114	0	0	0	1	0	0	0	110-114	0	0	0	29	0	0	0	0
115-119	4	0	1	0	0	0	0	115-119	121	0	31	0	0	0	0	24
120-124	0	0	0	0	0	0	0	120-124	0	0	0	0	0	0	0	0
125-226	6	4	2	1	0	0	0	125-226	86	69	42	21	0	0	0	14
UNKNOWN	1	1	0	0	0	0	0	SLOPE	0.072	0.017	0.034	0.044	******	******	******	0.022
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.015	0.021	0.026	0.033	*****	*****	*****	0.033
WOMEN AGED 55-59 AT EXAM															
TOTAL	15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
052-084	0	1	1	0	0	0	0	052-084	0	50	40	0	0	0	0	54
085-089	1	0	0	0	0	0	0	085-089	48	0	0	0	0	0	0	0
090-094	1	0	0	0	0	0	0	090-094	28	0	0	0	0	0	0	0
095-099	1	0	1	2	1	0	0	095-099	22	0	20	37	19	0	0	0
100-104	1	1	2	2	0	0	0	100-104	22	17	38	35	0	0	0	0
105-109	1	3	1	0	0	0	0	105-109	29	88	20	0	0	0	0	17
110-114	2	3	1	0	2	2	0	110-114	50	71	32	0	50	51	0	36
115-119	1	1	0	0	0	0	0	115-119	28	34	0	0	0	0	0	0
120-124	1	2	1	0	0	0	0	120-124	45	77	50	0	0	0	0	39
125-226	6	7	7	4	2	0	0	125-226	90	119	127	75	37	0	0	41
UNKNOWN	0	0	1	1	1	0	0	SLOPE	0.035	0.058	0.065	0.063	0.042	******	******	0.019
NO EXAM	0	0	1	1	0	0	0	STD.ERROR	0.014	0.014	0.016	0.020	0.024	*****	*****	0.018

TABLE 18-B-7

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: FRAMINGHAM RELATIVE WEIGHT (PERCENT)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 60-64 AT EXAM																
TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
052-084	0	1	0	0	0	0	0	052-084	0	56	0	0	0	0	0	0
085-089	1	1	0	0	0	0	0	085-089	250	111	0	0	0	0	0	0
090-094	0	0	0	0	0	1	0	090-094	0	0	0	0	0	29	0	0
095-099	0	0	1	1	0	0	1	095-099	0	0	27	23	0	0	20	21
100-104	0	1	0	1	1	1	0	100-104	0	50	0	23	22	20	0	40
105-109	0	0	0	0	2	0	0	105-109	0	0	0	0	38	0	0	0
110-114	0	0	1	3	1	1	1	110-114	0	0	59	107	27	30	28	57
115-119	0	0	3	2	0	0	1	115-119	0	0	91	74	0	0	32	63
120-124	2	2	1	0	0	0	0	120-124	286	100	59	0	0	0	0	0
125-226	0	4	3	3	3	2	1	125-226	0	111	71	56	71	43	22	106
UNKNOWN	0	0	0	0	0	1	0	SLOPE	-0.006	0.024	0.058	0.057	0.083	0.040	0.031	0.065
NO EXAM	0	0	1	2	2	1	0	STD.ERROR	0.027	0.017	0.018	0.019	0.022	0.026	0.029	0.015
WOMEN AGED 65-69 AT EXAM																
TOTAL	0	1	3	6	3	2		TOTAL				24	24	9	6	47
052-084	0	1	1	0	0	0		052-084				91	0	0	0	105
085-089	0	0	0	0	0	0		085-089				0	0	0	0	0
090-094	0	0	0	0	0	0		090-094				0	0	0	0	0
095-099	0	0	0	0	1	0		095-099				0	0	29	0	42
100-104	0	0	0	1	0	0		100-104				0	43	0	0	46
105-109	0	0	0	2	0	0		105-109				0	87	0	0	48
110-114	0	0	0	0	1	0		110-114				0	0	42	0	78
115-119	0	0	1	1	0	1		115-119				111	48	0	42	65
120-124	0	0	0	0	0	0		120-124				0	0	0	0	0
125-226	0	0	0	1	1	1		125-226				0	32	24	24	71
UNKNOWN	0	0	0	0	0	0		SLOPE				******	0.038	0.049	******	0.014
NO EXAM	0	0	1	1	0	0		STD.ERROR				*****	0.024	0.031	*****	0.018
WOMEN AGED 70-74 AT EXAM																
TOTAL			0	1	0			TOTAL						17	0	21
052-084			0	0	0			052-084						0	0	0
085-089			0	0	0			085-089						0	0	0
090-094			0	0	0			090-094						0	0	0
095-099			0	0	0			095-099						0	0	0
100-104			0	0	0			100-104						0	0	0
105-109			0	0	0			105-109						0	0	0
110-114			0	0	0			110-114						0	0	0
115-119			0	1	0			115-119						200	0	417
120-124			0	0	0			120-124						0	0	0
125-226			0	0	0			125-226						0	0	0
UNKNOWN			0	0	0			SLOPE						******	******	******
NO EXAM			0	0	0			STD.ERROR						*****	*****	*****

TABLE 18-B-8

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEMATOCRIT (PERCENT)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 29-34 AT EXAM															
TOTAL	3	2	0					8	11	0					8
25-37	0	0	0					****	****	****					*****
38-39	0	0	0					****	****	****					*****
40-41	0	0	0					****	****	****					*****
42-43	0	0	0					****	****	****					*****
44-45	0	0	0					****	****	****					*****
46-47	0	0	0					****	****	****					*****
48-49	0	0	0					****	****	****					*****
50-51	0	0	0					****	****	****					*****
52-53	0	0	0					****	****	****					*****
54-65	0	0	0					****	****	****					*****
UNKNOWN	3	2	0					******	******	******					******
NO EXAM	0	0	0					*****	*****	*****					*****
MEN AGED 35-39 AT EXAM															
TOTAL	3	0	2	1	1	0		7	0	5	4	10			6
25-37	0	0	0	0	0	0		****	****	****	****	****			*****
38-39	0	0	0	0	0	0		****	****	****	0	****			0
40-41	0	0	0	0	0	0		****	****	****	0	0			0
42-43	0	0	0	0	0	0		****	****	****	0	0			0
44-45	0	0	0	0	1	0		****	****	****	0	77			0
46-47	0	0	0	1	0	0		****	****	****	20	0			0
48-49	0	0	0	0	0	0		****	****	****	0	0			0
50-51	0	0	0	0	0	0		****	****	****	0	0			0
52-53	0	0	0	0	0	0		****	****	****	0	0			0
54-65	0	0	0	0	0	0		****	****	****	0	0			0
UNKNOWN	3	0	2	0	0	0		******	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		*****	*****	*****	*****	*****			*****
MEN AGED 40-44 AT EXAM															
TOTAL	8	6	4	1	0	1	0	19	15	9	2	0	3	0	4
25-37	0	0	0	0	0	0	0	****	****	****	****	0	0	****	0
38-39	0	0	0	0	0	0	0	****	****	****	0	****	****	****	0
40-41	0	0	0	0	0	0	0	****	****	****	0	0	0	****	0
42-43	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
44-45	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
46-47	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
48-49	0	0	0	0	0	1	0	****	****	****	0	0	15	0	17
50-51	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
52-53	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
54-65	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
UNKNOWN	8	4	2	0	0	0	0	******	******	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	*****	*****	*****	*****	*****	*****	*****	*****

TABLE 18-B-8

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEMATOCRIT (PERCENT)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 45-49 AT EXAM																
TOTAL	9	8	8	6	5	1	0	TOTAL	25	20	20	15	12	2	0	9
25-37	0	0	0	0	0	0	0	25-37	****	****	****	0	****	****	****	0
38-39	0	0	0	0	0	0	0	38-39	****	****	****	****	****	0	0	0
40-41	0	0	0	0	0	0	0	40-41	****	****	****	0	0	0	0	0
42-43	0	0	0	0	1	0	0	42-43	****	****	****	0	71	0	0	69
44-45	0	0	0	0	2	0	0	44-45	****	****	****	0	32	0	0	20
46-47	0	0	0	3	0	0	0	46-47	****	****	****	36	0	0	0	0
48-49	0	0	0	1	0	0	0	48-49	****	****	****	19	0	0	0	0
50-51	0	0	0	0	1	0	0	50-51	****	****	****	0	14	0	0	18
52-53	0	0	0	1	0	0	0	52-53	****	****	****	67	0	0	0	0
54-65	0	0	0	0	0	0	0	54-65	****	****	****	0	0	0	0	0
UNKNOWN	9	7	7	0	0	0	0	SLOPE	******	******	******	0.120	-0.271	******	******	-0.220
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	*****	*****	*****	0.152	0.174	*****	*****	0.184
MEN AGED 50-54 AT EXAM																
TOTAL	16	11	8	7	6	2	0	TOTAL	43	32	24	18	15	5	0	25
25-37	0	0	0	0	0	0	0	25-37	****	****	****	0	****	****	****	0
38-39	0	0	0	0	0	0	0	38-39	****	****	****	0	****	0	****	0
40-41	0	0	0	1	1	0	0	40-41	****	****	****	125	111	0	0	0
42-43	0	0	0	0	0	0	0	42-43	****	****	****	0	0	0	0	0
44-45	0	0	0	4	3	0	0	44-45	****	****	****	40	45	0	0	38
46-47	0	0	0	0	0	2	0	46-47	****	****	****	0	0	24	0	16
48-49	0	0	0	1	1	0	0	48-49	****	****	****	19	14	0	0	37
50-51	0	0	0	1	1	0	0	50-51	****	****	****	19	16	0	0	0
52-53	0	0	0	0	0	0	0	52-53	****	****	****	0	0	0	0	0
54-65	0	0	0	0	0	0	0	54-65	****	****	****	0	0	0	0	0
UNKNOWN	16	11	8	0	0	0	0	SLOPE	******	******	******	-0.156	-0.246	******	******	-0.110
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	*****	*****	*****	0.130	0.136	*****	*****	0.140
MEN AGED 55-59 AT EXAM																
TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
25-37	0	0	0	0	0	0	0	25-37	****	****	****	0	0	0	****	0
38-39	0	0	0	0	0	1	0	38-39	****	****	****	0	****	500	0	714
40-41	0	0	0	0	0	0	0	40-41	****	****	****	0	0	0	0	0
42-43	0	0	0	0	0	0	0	42-43	****	****	****	0	0	0	0	0
44-45	0	0	0	1	0	1	0	44-45	****	****	****	13	0	23	0	23
46-47	0	0	0	1	2	3	1	46-47	****	****	****	16	29	45	14	37
48-49	0	0	0	0	0	0	1	48-49	****	****	****	0	0	0	17	25
50-51	0	0	0	0	0	0	0	50-51	****	****	****	0	0	0	0	0
52-53	0	0	0	0	0	0	0	52-53	****	****	****	0	0	0	0	0
54-65	0	0	0	0	0	0	1	54-65	****	****	****	0	0	0	33	104
UNKNOWN	18	14	9	1	0	0	0	SLOPE	******	******	******	******	******	-0.349	0.198	-0.051
NO EXAM	0	1	1	0	0	0	0	STD.ERROR	*****	*****	*****	*****	*****	0.147	0.159	0.120

TABLE 18-B-8

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEMATOCRIT (PERCENT)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
25-37	0	0	0	0	0	0	0	25-37	****	****	****	0	0	0	0	0
38-39	0	0	0	0	0	0	0	38-39	****	****	****	0	0	****	0	0
40-41	0	0	0	0	0	1	0	40-41	****	****	****	0	0	125	0	200
42-43	0	0	0	2	0	0	0	42-43	****	****	****	87	0	0	0	169
44-45	0	0	0	2	1	0	0	44-45	****	****	****	30	19	0	0	27
46-47	0	0	0	1	0	0	0	46-47	****	****	****	17	0	0	0	0
48-49	0	0	0	1	0	0	0	48-49	****	****	****	32	0	0	0	0
50-51	0	0	0	1	0	0	0	50-51	****	****	****	36	0	0	0	34
52-53	0	0	0	0	1	0	0	52-53	****	****	****	0	71	0	0	0
54-65	0	0	0	1	0	0	0	54-65	****	****	****	200	0	0	0	109
UNKNOWN	4	11	14	0	0	0	0	SLOPE	******	******	******	0.062	******	******	******	-0.103
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	*****	*****	*****	0.101	*****	*****	*****	0.115
MEN AGED 65-69 AT EXAM																
TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
25-37		0	0	0	0	0	0	25-37				0	0	****	****	0
38-39		0	0	0	0	0	0	38-39				0	****	0	0	0
40-41		0	0	0	0	0	0	40-41				0	0	0	0	0
42-43		0	0	1	0	0	0	42-43				250	0	0	0	0
44-45		0	0	3	0	0	0	44-45				130	0	0	0	0
46-47		0	0	3	3	0	0	46-47				150	79	0	0	71
48-49		0	0	0	3	1	0	48-49				0	94	21	0	111
50-51		0	0	0	2	0	0	50-51				0	74	0	0	0
52-53		0	0	0	1	0	0	52-53				0	100	0	0	111
54-65		0	0	0	0	1	0	54-65				0	0	143	0	200
UNKNOWN		0	2	1	0	0	0	SLOPE				-0.148	0.146	******	******	0.176
NO EXAM		0	1	0	0	1	0	STD.ERROR				0.124	0.109	*****	*****	0.115
MEN AGED 70-74 AT EXAM																
TOTAL					1	1	0	TOTAL						20	0	60
25-37					0	0	0	25-37						****	****	*****
38-39					0	0	0	38-39						****	0	0
40-41					0	0	0	40-41						0	0	0
42-43					0	0	0	42-43						0	0	0
44-45					1	0	0	44-45						0	0	294
46-47					0	0	0	46-47						0	0	0
48-49					0	0	0	48-49						0	0	0
50-51					0	1	0	50-51						200	0	278
52-53					0	0	0	52-53						0	0	0
54-65					0	0	0	54-65						0	0	0
UNKNOWN					0	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-8

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEMATOCRIT (PERCENT)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 29-34 AT EXAM															
TOTAL	0	0	0					TOTAL 0	0	0					0
25-37	0	0	0					25-37 ****	****	****					*****
38-39	0	0	0					38-39 ****	****	****					*****
40-41	0	0	0					40-41 ****	****	****					*****
42-43	0	0	0					42-43 ****	****	****					*****
44-45	0	0	0					44-45 ****	****	****					*****
46-47	0	0	0					46-47 ****	****	****					*****
48-49	0	0	0					48-49 ****	****	****					*****
50-51	0	0	0					50-51 ****	****	****					*****
52-53	0	0	0					52-53 ****	****	****					*****
54-65	0	0	0					54-65 ****	****	****					*****
UNKNOWN	0	0	0					SLOPE ******	******	******					******
NO EXAM	0	0	0					STD.ERROR *****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM															
TOTAL	4	1	1	0	0	0		TOTAL 7	2	2	0	0			0
25-37	0	0	0	0	0	0		25-37 ****	****	****	0	0			0
38-39	0	0	0	0	0	0		38-39 ****	****	****	0	0			0
40-41	0	0	0	0	0	0		40-41 ****	****	****	0	0			0
42-43	0	0	0	0	0	0		42-43 ****	****	****	0	0			0
44-45	0	0	0	0	0	0		44-45 ****	****	****	0	0			0
46-47	0	0	0	0	0	0		46-47 ****	****	****	0	0			0
48-49	0	0	0	0	0	0		48-49 ****	****	****	0	0			0
50-51	0	0	0	0	0	0		50-51 ****	****	****	0	****			0
52-53	0	0	0	0	0	0		52-53 ****	****	****	****	****			*****
54-65	0	0	0	0	0	0		54-65 ****	****	****	****	****			*****
UNKNOWN	4	1	1	0	0	0		SLOPE ******	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR *****	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM															
TOTAL	3	4	4	3	1	0	0	TOTAL 6	7	7	5	2	0	0	6
25-37	0	0	0	0	0	0	0	25-37 ****	****	****	0	0	0	0	0
38-39	0	0	0	0	0	0	0	38-39 ****	****	****	0	0	0	0	0
40-41	0	0	0	1	0	0	0	40-41 ****	****	****	8	0	0	0	0
42-43	0	0	0	0	1	0	0	42-43 ****	****	****	0	8	0	0	14
44-45	0	0	0	1	0	0	0	44-45 ****	****	****	9	0	0	0	13
46-47	0	0	0	0	0	0	0	46-47 ****	****	****	0	0	0	0	0
48-49	0	0	0	0	0	0	0	48-49 ****	****	****	0	0	0	0	0
50-51	0	0	0	0	0	0	0	50-51 ****	****	****	0	0	0	0	0
52-53	0	0	0	0	0	0	0	52-53 ****	****	****	****	****	0	0	0
54-65	0	0	0	0	0	0	0	54-65 ****	****	****	****	****	****	0	0
UNKNOWN	3	3	4	1	0	0	0	SLOPE ******	******	******	******	******	******	******	******
NO EXAM	0	1	0	0	0	0	0	STD.ERROR *****	*****	*****	*****	*****	*****	*****	*****

TABLE 18-B-8

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEMATOCRIT (PERCENT)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 45-49 AT EXAM															
TOTAL	5	4	1	1	1	1	0	11	9	2	2	2	2	0	3
25-37	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
38-39	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
40-41	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
42-43	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
44-45	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
46-47	0	0	0	1	1	0	0	****	****	****	29	16	0	0	0
48-49	0	0	0	0	0	1	0	****	****	****	0	0	31	0	50
50-51	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
52-53	0	0	0	0	0	0	0	****	****	****	****	****	0	0	0
54-65	0	0	0	0	0	0	0	****	****	****	0	****	0	0	0
UNKNOWN	5	4	1	0	0	0	0	SLOPE	******	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	*****	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM															
TOTAL	15	8	6	3	1	1	0	35	18	14	7	2	2	0	5
25-37	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
38-39	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
40-41	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
42-43	0	0	0	1	0	0	0	****	****	****	11	0	0	0	0
44-45	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
46-47	0	0	0	0	1	0	0	****	****	****	0	18	0	0	0
48-49	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
50-51	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
52-53	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
54-65	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
UNKNOWN	15	8	5	2	0	1	0	SLOPE	******	******	******	******	******	******	******
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	*****	*****	*****	*****	*****	*****	*****
WOMEN AGED 55-59 AT EXAM															
TOTAL	15	18	16	10	6	2	0	40	45	39	24	14	5	0	15
25-37	0	0	0	1	0	0	0	****	****	****	333	0	0	0	0
38-39	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
40-41	0	0	0	1	1	0	0	****	****	****	12	16	0	0	0
42-43	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
44-45	0	0	0	2	2	0	0	****	****	****	18	18	0	0	12
46-47	0	0	0	3	1	2	0	****	****	****	103	18	38	0	46
48-49	0	0	0	0	2	0	0	****	****	****	0	87	0	0	0
50-51	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
52-53	0	0	0	0	0	0	0	****	****	****	0	****	0	0	0
54-65	0	0	0	0	0	0	0	****	****	****	0	0	0	0	0
UNKNOWN	15	18	15	2	0	0	0	SLOPE	******	******	******	0.037	0.208	******	******	0.172
NO EXAM	0	0	1	1	0	0	0	STD.ERROR	*****	*****	*****	0.142	0.143	*****	*****	0.189

TABLE 18-B-8

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEMATOCRIT (PERCENT)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 60-64 AT EXAM																	
	TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
	25-37	0	0	0	0	0	0	0	25-37	****	****	****	0	0	0	0	0
	38-39	0	0	0	1	0	0	0	38-39	****	****	****	56	0	0	0	0
	40-41	0	0	0	0	1	2	0	40-41	****	****	****	0	28	65	0	32
	42-43	0	0	0	2	0	1	1	42-43	****	****	****	28	0	19	21	42
	44-45	0	0	0	4	2	1	1	44-45	****	****	****	41	18	9	10	24
	46-47	0	0	0	0	3	0	0	46-47	****	****	****	0	70	0	0	26
	48-49	0	0	0	2	0	1	1	48-49	****	****	****	133	0	43	26	102
	50-51	0	0	0	0	0	1	1	50-51	****	****	****	0	0	62	50	200
	52-53	0	0	0	0	0	0	0	52-53	****	****	****	0	0	0	0	0
	54-65	0	0	0	0	0	0	0	54-65	****	****	****	0	****	0	0	0
	UNKNOWN	3	9	9	1	1	0	0	SLOPE	******	******	******	0.119	0.106	-0.021	0.133	0.171
	NO EXAM	0	0	1	2	2	1	0	STD.ERROR	*****	*****	*****	0.106	0.128	0.138	0.156	0.098
WOMEN AGED 65-69 AT EXAM																	
	TOTAL		0	1	3	6	3	2	TOTAL				24	24	9	6	47
	25-37		0	0	0	2	0	0	25-37				0	400	0	0	769
	38-39		0	0	0	0	0	0	38-39				0	0	0	0	0
	40-41		0	0	0	0	0	0	40-41				0	0	0	0	0
	42-43		0	0	0	0	0	0	42-43				0	0	0	0	0
	44-45		0	0	2	2	2	1	44-45				71	36	27	14	88
	46-47		0	0	0	0	0	0	46-47				0	0	0	0	0
	48-49		0	0	0	0	0	1	48-49				0	0	0	31	70
	50-51		0	0	0	0	0	0	50-51				****	0	0	0	0
	52-53		0	0	0	0	0	0	52-53				0	0	****	0	0
	54-65		0	0	0	0	0	0	54-65				****	0	****	****	0
	UNKNOWN		0	1	0	1	1	0	SLOPE				******	-0.376	******	******	-0.195
	NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	0.155	*****	*****	0.114
WOMEN AGED 70-74 AT EXAM																	
	TOTAL					0	1	0	TOTAL						17	0	21
	25-37					0	0	0	25-37						****	0	0
	38-39					0	0	0	38-39						0	0	0
	40-41					0	0	0	40-41						0	0	0
	42-43					0	0	0	42-43						0	0	0
	44-45					0	0	0	44-45						0	0	0
	46-47					0	1	0	46-47						71	0	104
	48-49					0	0	0	48-49						0	0	0
	50-51					0	0	0	50-51						0	0	0
	52-53					0	0	0	52-53						0	0	0
	54-65					0	0	0	54-65						****	****	*****
	UNKNOWN					0	0	0	SLOPE						******	******	******
	NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-8-9

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEMOGLOBIN (DECIGRAMS PER 100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 29-34 AT EXAM																
TOTAL	3	2	0					TOTAL	8	11	0					8
068-119	0	0	0					068-119	0	0	0					0
120-124	0	0	0					120-124	0	0	****					0
125-129	0	0	0					125-129	0	0	0					0
130-134	0	0	0					130-134	0	0	0					0
135-139	0	0	0					135-139	0	0	0					0
140-144	1	1	0					140-144	21	29	0					0
145-149	0	0	0					145-149	0	0	0					0
150-154	0	0	0					150-154	0	0	0					0
155-159	0	0	0					155-159	0	0	0					0
160-216	0	1	0					160-216	0	62	0					0
UNKNOWN	2	0	0					SLOPE	******	******	******					******
NO EXAM	0	0	0					STD.ERROR	*****	*****	*****					*****
MEN AGED 35-39 AT EXAM																
TOTAL	3	0	2	1	1	0		TOTAL	7	0	5	4	10			6
068-119	0	0	0	0	0	0		068-119	0	0	0	0	****			0
120-124	0	0	0	0	0	0		120-124	0	0	0	0	0			0
125-129	0	0	0	0	0	0		125-129	0	0	0	0	****			0
130-134	0	0	0	0	0	0		130-134	0	0	0	0	0			0
135-139	0	0	1	0	0	0		135-139	0	0	22	0	0			28
140-144	1	0	0	0	1	0		140-144	17	0	0	0	91			0
145-149	0	0	0	1	0	0		145-149	0	0	0	18	0			0
150-154	0	0	0	0	0	0		150-154	0	0	0	0	0			0
155-159	0	0	1	0	0	0		155-159	0	0	28	0	0			0
160-216	0	0	0	0	0	0		160-216	0	0	0	0	0			0
UNKNOWN	2	0	0	0	0	0		SLOPE	******	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	*****	*****	*****	*****	*****			*****
MEN AGED 40-44 AT EXAM																
TOTAL	8	6	4	1	0	1	0	TOTAL	19	15	9	2	0	3	0	4
068-119	0	0	0	0	0	0	0	068-119	0	0	0	0	0	0	****	0
120-124	0	0	0	0	0	0	0	120-124	0	0	0	0	****	0	****	0
125-129	0	1	0	0	0	0	0	125-129	0	40	0	0	0	0	****	0
130-134	1	0	0	0	0	0	0	130-134	30	0	0	0	0	0	****	0
135-139	1	0	0	0	0	0	0	135-139	22	0	0	0	0	0	****	0
140-144	1	1	1	0	0	0	0	140-144	22	15	18	0	0	0	****	0
145-149	0	1	1	0	0	1	0	145-149	0	23	12	0	0	16	****	23
150-154	0	0	0	0	0	0	0	150-154	0	0	0	0	0	0	****	0
155-159	0	0	0	0	0	0	0	155-159	0	0	0	0	0	0	****	0
160-216	0	0	0	0	0	0	0	160-216	0	0	0	0	0	0	****	0
UNKNOWN	5	1	0	0	0	0	0	SLOPE	-0.044	-0.026	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.045	0.047	*****	*****	*****	*****	*****	*****

TABLE 18-B-9

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEMOGLOBIN (DECIGRAMS PER 100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 45-49 AT EXAM															
TOTAL	9	8	9	6	5	1	0	TOTAL	25	20	20	15	12	2	0	9
068-119	0	3	0	0	0	0	0	068-119	0	214	0	0	0	0	****	0
120-124	0	1	0	0	1	0	0	120-124	0	43	0	0	1000	0	****	86
125-129	1	0	0	0	0	0	0	125-129	100	0	0	0	0	0	****	0
130-134	1	0	3	0	1	0	0	130-134	43	0	79	0	71	0	****	29
135-139	2	0	0	0	0	0	0	135-139	57	0	0	0	0	0	****	0
140-144	0	0	0	1	1	0	0	140-144	0	0	0	19	23	0	****	15
145-149	0	1	1	1	0	0	0	145-149	0	18	18	11	0	0	****	0
150-154	0	0	1	0	0	0	0	150-154	0	0	24	0	0	0	****	0
155-159	0	0	1	3	0	0	0	155-159	0	0	32	67	0	0	****	0
160-216	0	2	1	0	1	0	0	160-216	0	133	40	0	15	0	****	15
UNKNOWN	5	0	0	0	0	0	0	SLOPE	-0.062	-0.047	0.014	0.046	-0.100	******	******	-0.050
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.041	0.033	0.035	0.046	0.050	*****	*****	0.042
MEN AGED 50-54 AT EXAM															
TOTAL	16	11	8	7	6	2	0	TOTAL	43	32	24	18	15	5	0	25
068-119	0	0	0	0	0	0	0	068-119	0	0	0	0	0	****	****	0
120-124	0	0	0	1	0	0	0	120-124	0	0	0	250	0	****	****	0
125-129	2	1	0	0	0	0	0	125-129	200	53	0	0	0	****	****	83
130-134	0	1	1	1	2	0	0	130-134	0	24	28	53	143	0	****	0
135-139	4	3	1	1	1	0	0	135-139	129	79	34	22	33	0	****	23
140-144	1	2	1	0	1	1	0	140-144	22	35	22	0	24	23	****	30
145-149	2	1	2	3	0	0	0	145-149	69	27	39	42	0	0	****	39
150-154	2	1	1	0	1	0	0	150-154	95	24	33	0	15	0	****	32
155-159	1	2	2	0	0	1	0	155-159	71	100	74	0	0	18	****	20
160-216	0	0	0	1	1	0	0	160-216	0	0	0	38	16	0	****	0
UNKNOWN	4	0	0	0	0	0	0	SLOPE	-0.006	0.009	0.021	-0.049	-0.067	******	******	-0.017
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.024	0.024	0.031	0.039	0.040	*****	*****	0.026
MEN AGED 55-59 AT EXAM															
TOTAL	18	15	10	2	2	5	3	TOTAL	65	47	30	9	6	16	8	36
068-119	0	1	0	0	0	0	0	068-119	0	62	0	0	0	****	****	0
120-124	0	0	1	0	0	1	0	120-124	0	0	71	0	0	250	****	100
125-129	0	1	0	0	0	0	0	125-129	0	45	0	0	0	0	****	0
130-134	4	0	1	0	0	0	0	130-134	182	0	59	0	0	0	****	72
135-139	2	4	1	0	0	0	0	135-139	77	91	19	0	0	0	****	25
140-144	3	2	2	1	1	0	0	140-144	75	40	43	19	20	0	****	16
145-149	0	2	2	1	0	3	0	145-149	0	74	40	16	0	71	****	97
150-154	2	1	2	0	1	0	0	150-154	105	30	67	0	23	0	****	36
155-159	1	3	0	0	0	1	0	155-159	125	158	0	0	0	23	****	22
160-216	0	0	0	0	0	0	0	160-216	0	0	0	0	0	0	****	0
UNKNOWN	6	0	0	1	0	0	3	SLOPE	0.009	0.026	-0.011	******	******	-0.061	******	-0.013
NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.022	0.023	0.028	*****	*****	0.042	*****	0.021

TABLE 18-B-9

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEMOGLOBIN (DECIGRAMS PER 100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
068-119	2	1	0	0	0	0	0	068-119	333	111	0	0	0	****	****	0
120-124	0	1	0	0	0	0	0	120-124	0	111	0	****	0	0	****	0
125-129	0	0	1	0	0	0	0	125-129	0	0	83	0	0	0	****	0
130-134	0	0	1	3	0	1	0	130-134	0	0	43	120	0	100	****	208
135-139	1	3	1	0	0	0	0	135-139	111	120	50	0	0	0	****	0
140-144	0	0	3	1	0	0	0	140-144	0	0	94	22	0	0	****	0
145-149	0	4	4	1	1	0	0	145-149	0	211	91	18	21	0	****	19
150-154	1	1	1	0	0	0	0	150-154	143	77	38	0	0	0	****	21
155-159	0	1	2	1	1	0	0	155-159	0	167	133	43	29	0	****	32
160-216	0	0	1	2	0	0	0	160-216	0	0	77	125	0	0	****	30
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.046	0.014	0.026	0.023	******	******	******	-0.018
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	0.037	0.027	0.024	0.031	*****	*****	*****	0.028
MEN AGED 65-69 AT EXAM																
TOTAL	0	3	8	9	3	0		TOTAL				75	47	14	0	58
068-119	0	0	0	0	0	0		068-119				0	0	0	****	0
120-124	0	0	0	0	0	0		120-124				0	0	0	****	0
125-129	0	1	0	0	0	0		125-129				0	0	0	****	417
130-134	0	1	1	0	0	0		130-134				167	0	0	****	0
135-139	0	0	2	0	0	0		135-139				118	0	0	****	0
140-144	0	0	2	0	0	0		140-144				154	0	0	****	0
145-149	0	0	2	1	0	0		145-149				118	43	0	****	47
150-154	0	0	1	5	1	0		150-154				67	132	28	****	111
155-159	0	0	0	2	0	0		155-159				0	118	0	****	57
160-216	0	0	0	1	1	0		160-216				0	50	23	****	83
UNKNOWN	0	0	0	0	0	0		SLOPE				-0.016	0.066	******	******	0.025
NO EXAM	0	1	0	0	1	0		STD.ERROR				0.035	0.033	*****	*****	0.031
MEN AGED 70-74 AT EXAM																
TOTAL				1	1	0		TOTAL						20	0	60
068-119				0	0	0		068-119						****	****	*****
120-124				0	0	0		120-124						0	****	0
125-129				1	0	0		125-129						****	****	5000
130-134				0	0	0		130-134						0	****	0
135-139				0	0	0		135-139						****	****	0
140-144				0	0	0		140-144						0	****	0
145-149				0	0	0		145-149						0	****	0
150-154				0	0	0		150-154						0	****	0
155-159				0	0	0		155-159						0	****	0
160-216				0	1	0		160-216						250	****	227
UNKNOWN				0	0	0		SLOPE						******	******	******
NO EXAM				0	0	0		STD.ERROR						*****	*****	*****

TABLE 18-B-9

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEMOGLOBIN (DECIGRAMS PER 100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	
WOMEN AGED 29-34 AT EXAM																
TOTAL	0	0	0					TOTAL	0	0	0					0
068-119	0	0	0					068-119	0	0	0					0
120-124	0	0	0					120-124	0	0	0					0
125-129	0	0	0					125-129	0	0	0					0
130-134	0	0	0					130-134	0	0	0					0
135-139	0	0	0					135-139	0	0	0					0
140-144	0	0	0					140-144	0	0	0					0
145-149	0	0	0					145-149	0	0	****					0
150-154	0	0	0					150-154	0	****	****					0
155-159	0	0	0					155-159	0	****	0					0
160-216	0	0	0					160-216	****	****	****					*****
UNKNOWN	0	0	0					SLOPE	******	******	******					******
NO EXAM	0	0	0					STD.ERROR	*****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM																
TOTAL	4	1	1	0	0	0		TOTAL	7	2	2	0	0			0
068-119	0	1	0	0	0	0		068-119	0	7	0	0	0			0
120-124	0	0	0	0	0	0		120-124	0	0	0	0	0			0
125-129	0	0	0	0	0	0		125-129	0	0	0	0	0			0
130-134	1	0	0	0	0	0		130-134	23	0	0	0	0			0
135-139	0	0	0	0	0	0		135-139	0	0	0	0	0			0
140-144	0	0	0	0	0	0		140-144	0	0	0	0	0			0
145-149	0	0	0	0	0	0		145-149	0	0	0	0	0			0
150-154	0	0	0	0	0	0		150-154	0	0	0	0	0			0
155-159	0	0	0	0	0	0		155-159	****	0	0	****	0			0
160-216	0	0	0	0	0	0		160-216	0	0	****	****	****			0
UNKNOWN	3	0	1	0	0	0		SLOPE	******	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	*****	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM																
TOTAL	3	4	4	3	1	0	0	TOTAL	6	7	7	5	2	0	0	6
068-119	1	1	0	0	0	0	0	068-119	13	10	0	0	0	0	****	0
120-124	0	1	1	0	0	0	0	120-124	0	9	13	0	0	0	****	12
125-129	0	0	1	0	0	0	0	125-129	0	0	14	0	0	0	****	0
130-134	0	1	0	1	1	0	0	130-134	0	10	0	8	9	0	****	9
135-139	0	0	0	1	0	0	0	135-139	0	0	0	16	0	0	****	12
140-144	0	0	1	0	0	0	0	140-144	0	0	28	0	0	0	****	0
145-149	0	0	0	0	0	0	0	145-149	0	0	0	0	0	0	****	0
150-154	0	0	0	0	0	0	0	150-154	0	0	0	0	0	0	****	0
155-159	0	0	0	0	0	0	0	155-159	0	0	0	0	0	0	****	0
160-216	0	0	0	0	0	0	0	160-216	0	0	****	****	0	0	****	0
UNKNOWN	2	0	1	1	0	0	0	SLOPE	******	-0.074	0.024	******	******	******	******	0.007
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	*****	0.053	0.056	*****	*****	*****	*****	0.050

TABLE 18-B-9

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEMOGLOBIN (DECIGRAMS PER 100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 45-49 AT EXAM															
TOTAL	5	4	1	1	1	1	0	TOTAL	11	9	2	2	2	2	0	3
068-119	0	1	0	0	0	0	0	068-119	0	12	0	0	0	0	****	16
120-124	1	1	0	0	0	0	0	120-124	21	10	0	0	0	0	****	0
125-129	2	1	0	0	0	0	0	125-129	54	18	0	0	0	0	****	0
130-134	0	0	0	0	0	0	0	130-134	0	0	0	0	0	0	****	0
135-139	1	1	0	0	0	0	0	135-139	28	23	0	0	0	0	****	0
140-144	0	0	0	1	1	0	0	140-144	0	0	0	18	16	0	****	0
145-149	0	0	0	0	0	0	0	145-149	0	0	0	0	0	0	****	0
150-154	0	0	0	0	0	1	0	150-154	0	0	0	0	0	27	****	42
155-159	0	0	1	0	0	0	0	155-159	0	0	167	****	0	0	****	0
160-216	0	0	0	0	0	0	0	160-216	****	****	0	0	0	0	****	0
UNKNOWN	1	0	0	0	0	0	0	SLOPE	0.010	-0.007	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.042	0.049	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM															
TOTAL	15	8	6	3	1	1	0	TOTAL	35	18	14	7	2	2	0	5
068-119	2	1	0	0	0	0	0	068-119	51	13	0	0	0	0	****	0
120-124	1	0	0	0	0	0	0	120-124	24	0	0	0	0	0	****	0
125-129	2	2	1	0	0	0	0	125-129	69	33	20	0	0	0	****	16
130-134	1	4	0	0	0	0	0	130-134	25	44	0	0	0	0	****	0
135-139	1	1	0	1	0	0	0	135-139	30	26	0	12	0	0	****	0
140-144	2	0	1	0	0	0	0	140-144	105	0	34	0	0	0	****	0
145-149	1	0	2	0	1	0	0	145-149	111	0	87	0	27	0	****	22
150-154	0	0	1	0	0	0	0	150-154	0	0	111	0	0	0	****	0
155-159	0	0	0	0	0	0	0	155-159	0	0	0	0	0	0	****	0
160-216	0	0	0	0	0	0	0	160-216	0	0	0	0	0	0	****	0
UNKNOWN	5	0	0	2	0	1	0	SLOPE	-0.002	0.015	0.111	******	******	******	******	******
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.027	0.034	0.043	*****	*****	*****	*****	*****
WOMEN AGED 55-59 AT EXAM															
TOTAL	15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
068-119	0	2	2	1	0	0	0	068-119	0	27	45	59	0	0	****	24
120-124	0	0	3	0	1	0	0	120-124	0	0	51	0	45	0	****	0
125-129	0	2	4	2	0	0	0	125-129	0	36	83	36	0	0	****	35
130-134	2	5	0	0	0	0	0	130-134	51	62	0	0	0	0	****	11
135-139	0	3	2	1	1	0	0	135-139	0	79	49	16	15	0	****	26
140-144	1	3	1	2	1	1	0	140-144	50	111	37	39	15	14	****	31
145-149	0	3	2	2	1	0	0	145-149	0	600	83	80	22	0	****	0
150-154	1	0	1	0	2	1	0	150-154	200	0	125	0	87	37	****	0
155-159	0	0	0	0	0	0	0	155-159	0	0	0	0	0	0	****	0
160-216	0	0	0	0	0	0	0	160-216	0	****	****	0	0	0	****	0
UNKNOWN	11	0	0	1	0	0	0	SLOPE	0.075	0.070	0.013	0.011	0.044	******	******	-0.007
NO EXAM	0	0	1	1	0	0	0	STD.ERROR	0.047	0.024	0.025	0.040	0.041	*****	*****	0.031

TABLE 18-B-9

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEMOGLOBIN (DECIGRAMS PER 100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 60-64 AT EXAM															
TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
068-119	0	2	1	1	0	0	0	068-119	0	67	34	42	0	0	****	0
120-124	1	1	1	0	0	0	0	120-124	100	28	26	0	0	0	****	0
125-129	0	1	1	1	1	2	0	125-129	0	40	27	28	37	71	****	103
130-134	2	1	3	2	1	0	0	130-134	182	24	48	24	13	0	****	27
135-139	0	1	2	1	1	0	0	135-139	0	71	65	19	15	0	****	0
140-144	0	0	1	3	2	2	0	140-144	0	0	40	77	44	34	****	40
145-149	0	1	0	0	1	0	0	145-149	0	250	0	0	34	0	****	0
150-154	0	1	0	1	0	2	0	150-154	****	200	0	100	0	69	****	215
155-159	0	0	0	0	0	0	0	155-159	****	0	0	0	0	0	****	0
160-216	0	1	0	0	0	0	0	160-216	****	1000	0	0	0	0	****	0
UNKNOWN	0	0	0	1	1	0	4	SLOPE	0.006	0.055	-0.005	0.019	0.019	-0.000	******	0.025
NO EXAM	0	0	1	2	2	1	0	STD.ERROR	0.057	0.033	0.032	0.032	0.037	0.038	*****	0.026
WOMEN AGED 65-69 AT EXAM															
TOTAL		0	1	3	6	3	2	TOTAL				24	24	9	6	47
068-119		0	0	0	2	0	0	068-119				0	154	0	****	256
120-124		0	0	0	0	0	0	120-124				0	0	0	****	0
125-129		0	0	0	0	0	0	125-129				0	0	0	****	0
130-134		0	1	0	0	0	0	130-134				0	0	0	****	35
135-139		0	0	1	0	1	0	135-139				62	0	24	****	35
140-144		0	0	0	2	0	0	140-144				0	50	0	****	30
145-149		0	0	0	0	1	0	145-149				0	0	26	****	47
150-154		0	0	1	0	1	0	150-154				333	0	43	****	172
155-159		0	0	0	0	0	0	155-159				0	0	0	****	0
160-216		0	0	0	0	0	0	160-216				0	0	0	****	0
UNKNOWN		0	0	0	1	0	2	SLOPE				******	-0.111	0.051	******	-0.040
NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	0.044	0.051	*****	0.031
WOMEN AGED 70-74 AT EXAM															
TOTAL					0	1	0	TOTAL						17	0	21
068-119					0	0	0	068-119						****	****	0
120-124					0	0	0	120-124						0	****	0
125-129					0	0	0	125-129						0	****	0
130-134					0	0	0	130-134						0	****	0
135-139					0	1	0	135-139						125	****	172
140-144					0	0	0	140-144						0	****	0
145-149					0	0	0	145-149						0	****	0
150-154					0	0	0	150-154						0	****	0
155-159					0	0	0	155-159						0	****	0
160-216					0	0	0	160-216						0	****	0
UNKNOWN					0	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-10

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: PHOSPHOLIPID (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	
MEN AGED 29-34 AT EXAM															
TOTAL	3	2	0					8	11	0					8
062-159	2	0	0					16	0	0					26
160-179	0	1	0					0	56	0					0
180-199	0	0	0					0	0	0					0
200-219	0	0	0					0	0	0					0
220-239	0	0	0					0	0	0					0
240-259	0	0	0					0	0	0					0
260-279	0	0	0					0	0	****					0
280-299	0	0	0					0	0	****					0
300-319	0	0	0					0	****	****					0
320-968	0	1	0					0	1000	****					0
UNKNOWN	1	0	0					******	******	******					******
NO EXAM	0	0	0					*****	*****	*****					*****
MEN AGED 35-39 AT EXAM															
TOTAL	3	0	2	1	1	0		7	0	5	4	10			6
062-159	0	0	0	0	0	0		0	0	0	****	****			0
160-179	0	0	0	0	0	0		0	0	0	0	****			0
180-199	0	0	0	0	0	0		0	0	0	0	****			0
200-219	0	0	0	0	0	0		0	0	0	0	****			0
220-239	0	0	0	0	0	0		0	0	0	0	****			0
240-259	0	0	1	1	0	0		0	0	19	27	****			0
260-279	0	0	1	0	0	0		0	0	26	0	****			40
280-299	1	0	0	0	0	0		1000	0	0	0	****			0
300-319	0	0	0	0	0	0		0	0	0	0	****			0
320-968	0	0	0	0	0	0		0	0	0	0	****			0
UNKNOWN	2	0	0	0	1	0		******	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		*****	*****	*****	*****	*****			*****
MEN AGED 40-44 AT EXAM															
TOTAL	8	6	4	1	0	1	0	19	15	9	2	0	3	0	4
062-159	1	1	0	0	0	0	0	8	12	0	****	****	****	****	22
160-179	0	0	0	0	0	0	0	0	0	0	0	****	****	****	0
180-199	1	1	0	0	0	0	0	24	14	0	0	****	****	0	0
200-219	0	0	1	0	0	0	0	0	0	23	0	****	****	0	0
220-239	0	1	0	0	0	0	0	0	34	0	0	****	****	0	0
240-259	0	0	1	0	0	0	0	0	0	20	0	****	****	0	16
260-279	1	0	0	0	0	0	0	111	0	0	0	****	****	0	0
280-299	0	0	0	0	0	0	0	0	0	0	0	****	****	0	0
300-319	0	0	0	0	0	0	0	0	0	0	0	****	****	0	0
320-968	0	0	0	0	0	0	0	0	0	0	0	****	****	0	0
UNKNOWN	5	1	0	0	0	1	0	0.006	-0.007	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	0.010	0.011	*****	*****	*****	*****	*****	*****

TABLE 18-B-10

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: PHOSPHOLIPID (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 45-49 AT EXAM																
TOTAL	9	8	8	6	5	1	0	TOTAL	25	20	20	15	12	2	0	9
062-159	0	0	0	0	0	0	0	062-159	0	0	0	0	****	****	****	0
160-179	0	0	1	0	0	0	0	160-179	0	0	56	0	****	****	0	0
180-199	1	2	0	0	0	0	0	180-199	33	29	0	0	****	****	0	0
200-219	1	1	0	0	0	0	0	200-219	38	21	0	0	****	****	0	0
220-239	1	3	0	1	0	0	0	220-239	77	77	0	26	****	****	0	0
240-259	1	0	3	0	0	0	0	240-259	83	0	83	0	****	****	0	0
260-279	0	0	0	0	0	0	0	260-279	0	0	0	0	****	****	0	0
280-299	0	0	0	2	0	0	0	280-299	0	0	0	37	****	****	0	0
300-319	0	0	2	1	0	0	0	300-319	0	0	167	24	****	****	0	25
320-968	0	0	0	1	0	0	0	320-968	****	0	0	17	****	****	0	20
UNKNOWN	5	1	1	0	4	0	0	SLOPE	0.014	0.007	0.008	0.006	******	******	******	******
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.010	0.008	0.008	0.009	*****	*****	*****	*****
MEN AGED 50-54 AT EXAM																
TOTAL	16	11	8	7	6	2	0	TOTAL	43	32	24	18	15	5	0	25
062-159	5	4	0	0	0	0	0	062-159	59	44	0	****	****	****	****	53
160-179	5	0	2	0	0	0	0	160-179	152	0	77	0	****	****	****	88
180-199	0	3	1	1	0	0	0	180-199	0	61	53	143	****	****	0	0
200-219	0	0	1	1	0	0	0	200-219	0	0	28	33	****	****	0	0
220-239	0	0	1	0	0	0	0	220-239	0	0	29	0	****	****	0	26
240-259	1	3	1	0	0	0	0	240-259	67	200	29	0	****	****	0	16
260-279	1	0	0	2	0	0	0	260-279	77	0	0	30	****	****	0	17
280-299	0	0	0	1	0	0	0	280-299	0	0	0	19	****	****	0	41
300-319	0	0	1	0	0	0	0	300-319	****	0	91	0	****	****	0	0
320-968	0	0	1	2	0	0	0	320-968	0	0	83	43	****	****	0	22
UNKNOWN	4	1	0	0	6	2	0	SLOPE	-0.005	-0.001	0.001	0.002	******	******	******	-0.006
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.005	0.007	0.007	0.009	*****	*****	*****	0.005
MEN AGED 55-59 AT EXAM																
TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
062-159	3	2	0	0	0	0	0	062-159	42	30	0	****	****	****	****	0
160-179	2	2	0	0	0	0	0	160-179	54	48	0	0	****	****	0	0
180-199	3	3	1	0	0	0	0	180-199	176	70	48	0	****	****	0	42
200-219	3	3	1	0	0	0	0	200-219	130	65	30	0	****	****	0	57
220-239	0	0	1	0	0	0	0	220-239	0	0	26	0	****	****	0	23
240-259	0	3	2	0	0	0	1	240-259	0	167	53	0	****	****	17	60
260-279	2	0	1	1	0	0	2	260-279	200	0	40	18	****	****	25	70
280-299	0	0	1	0	0	0	0	280-299	0	0	83	0	****	****	0	26
300-319	0	0	1	1	0	0	0	300-319	****	0	62	43	****	****	0	37
320-968	0	0	0	0	0	0	0	320-968	0	0	0	0	****	****	0	30
UNKNOWN	5	1	1	1	2	5	0	SLOPE	0.005	0.003	0.007	******	******	******	-0.008	0.004
NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.005	0.006	0.007	*****	*****	*****	0.014	0.004

TABLE 18-B-10

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: PHOSPHOLIPID (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
062-159	1	1	0	0	0	0	0	062-159	50	38	0	****	****	****	****	0
160-179	1	2	0	0	0	0	0	160-179	83	87	0	0	****	****	0	0
180-199	1	1	1	0	0	0	0	180-199	111	42	56	0	****	****	0	0
200-219	0	0	2	0	0	0	0	200-219	0	0	67	0	****	****	0	40
220-239	0	4	2	2	0	0	0	220-239	0	200	59	91	****	****	0	88
240-259	0	1	2	1	0	0	0	240-259	0	200	56	19	****	****	0	21
260-279	1	1	1	0	0	0	0	260-279	250	200	56	0	****	****	0	22
280-299	0	0	0	2	0	0	0	280-299	0	0	0	56	****	****	0	56
300-319	0	0	0	0	0	0	0	300-319	****	0	0	0	****	****	0	0
320-968	0	0	2	3	0	0	0	320-968	****	****	222	130	****	****	0	44
UNKNOWN	0	1	4	0	2	1	0	SLOPE	0.001	0.011	0.005	0.016	******	******	******	0.003
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	0.011	0.008	0.007	0.008	*****	*****	*****	0.006
MEN AGED 65-69 AT EXAM																
TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
062-159		0	0	0	0	0	0	062-159				0	****	****	****	0
160-179		0	0	0	0	0	0	160-179				0	****	****	0	0
180-199		0	0	0	0	0	0	180-199				****	****	****	0	0
200-219		0	0	0	0	0	0	200-219				0	****	****	0	0
220-239		0	1	2	0	0	0	220-239				154	****	****	0	149
240-259		0	0	0	0	0	0	240-259				0	****	****	0	0
260-279		0	0	1	0	0	0	260-279				59	****	****	0	40
280-299		0	1	0	0	0	0	280-299				0	****	****	0	0
300-319		0	0	3	0	0	0	300-319				231	****	****	0	160
320-968		0	0	2	0	0	0	320-968				222	****	****	0	208
UNKNOWN		0	0	0	9	2	0	SLOPE				0.012	******	******	******	0.019
NO EXAM		0	1	0	0	1	0	STD.ERROR				0.009	*****	*****	*****	0.008
MEN AGED 70-74 AT EXAM																
TOTAL					1	1	0	TOTAL						20	0	60
062-159					0	0	0	062-159						****	****	0
160-179					0	0	0	160-179						****	****	0
180-199					0	0	0	180-199						****	0	0
200-219					0	0	0	200-219						****	0	0
220-239					0	0	0	220-239						****	0	278
240-259					0	0	0	240-259						****	0	0
260-279					0	0	0	260-279						****	0	0
280-299					0	0	0	280-299						****	0	0
300-319					0	0	0	300-319						****	0	0
320-968					0	0	0	320-968						****	0	455
UNKNOWN					1	1	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-10

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: PHOSPHOLIPID (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 29-34 AT EXAM															
TOTAL	0	0	0					TOTAL	0	0	0				0
062-159	0	0	0					062-159	0	0	0				0
160-179	0	0	0					160-179	0	0	0				0
180-199	0	0	0					180-199	0	0	0				0
200-219	0	0	0					200-219	0	0	0				0
220-239	0	0	0					220-239	0	0	0				0
240-259	0	0	0					240-259	0	0	0				0
260-279	0	0	0					260-279	0	****	****				0
280-299	0	0	0					280-299	0	0	****				0
300-319	0	0	0					300-319	****	0	****				0
320-968	0	0	0					320-968	****	****	****				*****
UNKNOWN	0	0	0					SLOPE	******	******	******				******
NO EXAM	0	0	0					STD.ERROR	*****	*****	*****				*****
WOMEN AGED 35-39 AT EXAM															
TOTAL	4	1	1	0	0	0		TOTAL	7	2	2	0	0		0
062-159	1	0	0	0	0	0		062-159	5	0	0	0	****		0
160-179	0	1	0	0	0	0		160-179	0	10	0	0	****		0
180-199	0	0	0	0	0	0		180-199	0	0	0	0	****		0
200-219	0	0	0	0	0	0		200-219	0	0	0	0	****		0
220-239	0	0	0	0	0	0		220-239	0	0	0	0	****		0
240-259	1	0	0	0	0	0		240-259	100	0	0	0	****		0
260-279	0	0	0	0	0	0		260-279	0	0	0	0	****		0
280-299	0	0	0	0	0	0		280-299	0	0	0	0	****		0
300-319	0	0	0	0	0	0		300-319	****	0	0	0	****		0
320-968	0	0	0	0	0	0		320-968	****	****	0	0	****		0
UNKNOWN	2	0	1	0	0	0		SLOPE	******	******	******	******	******		******
NO EXAM	0	0	0	0	0	0		STD.ERROR	*****	*****	*****	*****	*****		*****
WOMEN AGED 40-44 AT EXAM															
TOTAL	3	4	4	3	1	0	0	TOTAL	6	7	7	5	2	0	0	6
062-159	2	0	0	0	0	0	0	062-159	14	0	0	****	****	****	****	0
160-179	0	0	0	0	0	0	0	160-179	0	0	0	0	****	****	****	0
180-199	0	0	0	1	0	0	0	180-199	0	0	0	38	****	****	0	19
200-219	0	2	0	0	0	0	0	200-219	0	28	0	0	****	****	0	0
220-239	1	0	3	0	0	0	0	220-239	40	0	46	0	****	****	0	13
240-259	0	0	0	0	0	0	0	240-259	0	0	0	0	****	****	0	0
260-279	0	0	0	0	0	0	0	260-279	0	0	0	0	****	****	0	0
280-299	0	0	0	0	0	0	0	280-299	0	0	0	0	****	****	0	0
300-319	0	0	0	1	0	0	0	300-319	0	0	0	23	****	****	0	35
320-968	0	0	0	0	0	0	0	320-968	****	0	0	0	****	****	0	0
UNKNOWN	0	1	1	1	1	0	0	SLOPE	0.002	******	0.004	******	******	******	******	0.005
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.013	*****	0.013	*****	*****	*****	*****	0.010

TABLE 18-8-10

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: PHOSPHOLIPID (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 45-49 AT EXAM																
TOTAL	5	4	1	1	1	1	0	TOTAL	11	9	2	2	2	2	0	3
062-159	2	1	0	0	0	0	0	062-159	24	9	0	****	****	****	****	0
160-179	0	0	0	0	0	0	0	160-179	0	0	0	0	****	****	****	0
180-199	1	2	0	0	0	0	0	180-199	31	32	0	0	****	****	0	31
200-219	0	1	0	0	0	0	0	200-219	0	15	0	0	****	****	0	0
220-239	0	0	0	0	0	0	0	220-239	0	0	0	0	****	****	0	0
240-259	0	0	0	0	0	0	0	240-259	0	0	0	0	****	****	0	0
260-279	0	0	0	1	0	0	0	260-279	0	0	0	14	****	****	0	13
280-299	0	0	1	0	0	0	0	280-299	0	0	33	0	****	****	0	0
300-319	0	0	0	0	0	0	0	300-319	0	0	0	0	****	****	0	0
320-968	0	0	0	0	0	0	0	320-968	0	0	0	0	****	****	0	0
UNKNOWN	2	0	0	0	1	1	0	SLOPE	-0.009	-0.005	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.011	0.011	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM																
TOTAL	15	8	6	3	1	1	0	TOTAL	35	18	14	7	2	2	0	5
062-159	5	2	0	0	0	0	0	062-159	68	32	0	****	****	****	****	0
160-179	3	0	0	0	0	0	0	160-179	97	0	0	0	****	****	0	0
180-199	0	0	1	0	0	0	0	180-199	0	0	67	0	****	****	0	36
200-219	1	2	1	0	0	0	0	200-219	27	26	23	0	****	****	0	0
220-239	0	3	0	1	0	0	0	220-239	0	52	0	36	****	****	0	0
240-259	0	1	0	0	0	0	0	240-259	0	28	0	0	****	****	0	0
260-279	0	0	1	0	0	0	0	260-279	0	0	30	0	****	****	0	15
280-299	0	0	0	0	0	0	0	280-299	0	0	0	0	****	****	0	0
300-319	0	0	0	0	0	0	0	300-319	0	0	0	0	****	****	0	0
320-968	1	0	1	0	0	0	0	320-968	250	0	42	0	****	****	0	0
UNKNOWN	5	0	1	2	1	1	0	SLOPE	-0.005	0.002	0.002	******	******	******	******	******
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.006	0.008	0.009	*****	*****	*****	*****	*****
WOMEN AGED 55-59 AT EXAM																
TOTAL	15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
062-159	2	3	2	0	0	0	0	062-159	34	68	250	****	****	****	****	45
160-179	0	2	0	0	0	0	0	160-179	0	51	0	0	****	****	****	0
180-199	2	1	2	0	0	0	0	180-199	77	15	74	0	****	****	****	0
200-219	1	3	0	0	0	0	0	200-219	31	45	0	0	****	****	0	0
220-239	0	3	2	1	0	0	0	220-239	0	59	59	40	****	****	0	52
240-259	0	4	1	1	0	0	0	240-259	0	143	22	23	****	****	0	19
260-279	0	0	2	2	0	0	0	260-279	0	0	56	32	****	****	0	0
280-299	0	2	1	1	0	0	0	280-299	0	133	30	17	****	****	0	18
300-319	0	0	2	1	0	0	0	300-319	0	0	80	17	****	****	0	35
320-968	0	0	1	2	0	0	0	320-968	0	0	71	24	****	****	0	0
UNKNOWN	10	0	2	1	6	2	0	SLOPE	-0.012	0.002	-0.002	-0.001	******	******	******	-0.005
NO EXAM	0	0	1	1	0	0	0	STD.ERROR	0.008	0.005	0.006	0.008	*****	*****	*****	0.006

TABLE 18-B-10

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: PHOSPHOLIPID (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 60-64 AT EXAM															
TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
062-159	1	1	0	0	0	0	0	062-159	83	56	0	****	****	****	****	125
160-179	0	1	0	0	0	0	0	160-179	0	40	0	0	****	****	****	0
180-199	1	0	0	1	0	0	0	180-199	91	0	0	333	****	****	****	91
200-219	0	3	1	0	0	0	0	200-219	0	75	36	0	****	****	0	0
220-239	0	1	1	1	0	0	0	220-239	0	48	33	37	****	****	0	34
240-259	0	2	2	1	0	0	0	240-259	0	154	43	30	****	****	0	74
260-279	0	0	1	1	0	0	1	260-279	0	0	59	18	****	****	17	39
280-299	1	0	1	0	0	0	1	280-299	1000	0	36	0	****	****	17	39
300-319	0	0	1	1	0	0	0	300-319	0	0	71	19	****	****	0	0
320-968	0	0	0	4	0	0	2	320-968	0	0	0	56	****	****	21	43
UNKNOWN	0	1	2	1	7	6	0	SLOPE	-0.002	-0.002	0.004	0.001	******	******	0.005	-0.004
NO EXAM	0	0	1	2	2	1	0	STD.ERROR	0.012	0.008	0.008	0.008	*****	*****	0.011	0.005
WOMEN AGED 65-69 AT EXAM															
TOTAL		0	1	3	6	3	2	TOTAL				24	24	9	6	47
062-159		0	0	0	0	0	0	062-159				****	****	****	****	*****
160-179		0	0	0	0	0	0	160-179				****	****	****	****	0
180-199		0	0	0	0	0	0	180-199				0	****	****	0	0
200-219		0	0	0	0	0	0	200-219				0	****	****	0	0
220-239		0	0	0	0	0	0	220-239				0	****	****	0	102
240-259		0	0	0	0	0	0	240-259				0	****	****	0	0
260-279		0	1	1	0	0	1	260-279				59	****	****	21	101
280-299		0	0	1	0	0	0	280-299				53	****	****	0	34
300-319		0	0	0	0	0	0	300-319				0	****	****	0	29
320-968		0	0	0	0	0	1	320-968				0	****	****	12	70
UNKNOWN		0	0	0	5	3	0	SLOPE				******	******	******	******	0.003
NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	*****	*****	*****	0.008
WOMEN AGED 70-74 AT EXAM															
TOTAL					0	1	0	TOTAL						17	0	21
062-159					0	0	0	062-159						****	****	*****
160-179					0	0	0	160-179						****	0	0
180-199					0	0	0	180-199						****	0	0
200-219					0	0	0	200-219						****	0	0
220-239					0	0	0	220-239						****	0	0
240-259					0	0	0	240-259						****	0	0
260-279					0	0	0	260-279						****	0	125
280-299					0	0	0	280-299						****	0	0
300-319					0	0	0	300-319						****	0	0
320-968					0	0	0	320-968						****	0	0
UNKNOWN					0	1	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-11

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: URIC ACID (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 29-34 AT EXAM															
TOTAL	3	2	0					8	11	0					8
0.5-2.9	0	0	0					0	0	****					0
3.0-3.4	0	0	0					0	0	****					0
3.5-3.9	0	0	0					0	0	0					0
4.0-4.4	1	0	0					24	0	0					0
4.5-4.9	0	0	0					0	0	0					0
5.0-5.4	0	0	0					0	0	0					0
5.5-5.9	0	2	0					0	77	0					0
6.0-6.4	0	0	0					0	0	0					0
6.5-6.9	1	0	0					83	0	0					250
7.0-10.4	0	0	0					0	0	****					0
UNKNOWN	1	0	0					******	******	******					******
NO EXAM	0	0	0					*****	*****	*****					*****
SLOPE								0.043	-0.010	******	******	******	******	******	******
STD.ERROR								0.045	0.054	*****	*****	*****	*****	*****	*****
MEN AGED 35-39 AT EXAM															
TOTAL	3	0	2	1	1	0		7	0	5	4	10			6
0.5-2.9	0	0	0	0	0	0		0	0	0	0	****			0
3.0-3.4	0	0	0	0	0	0		0	0	0	0	****			0
3.5-3.9	0	0	0	0	0	0		0	0	0	0	****			0
4.0-4.4	0	0	0	0	0	0		0	0	0	0	****			0
4.5-4.9	0	0	0	0	0	0		0	0	0	0	****			0
5.0-5.4	0	0	1	0	0	0		0	0	13	0	****			18
5.5-5.9	1	0	1	1	0	0		29	0	18	24	****			0
6.0-6.4	0	0	0	0	0	0		0	0	0	0	****			0
6.5-6.9	0	0	0	0	0	0		0	0	0	0	****			0
7.0-10.4	0	0	0	0	0	0		0	0	0	0	****			0
UNKNOWN	2	0	0	0	1	0		******	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		*****	*****	*****	*****	*****			*****
SLOPE								0.043	-0.010	******	******	******	******	******	******
STD.ERROR								0.045	0.054	*****	*****	*****	*****	*****	*****
MEN AGED 40-44 AT EXAM															
TOTAL	8	6	4	1	0	1	0	19	15	9	2	0	3	0	4
0.5-2.9	0	0	0	0	0	0	0	0	0	0	0	****	****	****	0
3.0-3.4	0	0	0	0	0	0	0	0	0	0	0	****	****	****	0
3.5-3.9	1	0	0	0	0	0	0	25	0	0	0	****	****	****	0
4.0-4.4	0	1	0	0	0	0	0	0	18	0	0	****	****	****	0
4.5-4.9	0	1	0	0	0	0	0	0	15	0	0	****	****	****	0
5.0-5.4	0	0	2	0	0	0	0	0	0	29	0	****	****	****	0
5.5-5.9	1	0	0	0	0	0	0	26	0	0	0	****	****	****	15
6.0-6.4	0	1	0	0	0	0	0	0	30	0	0	****	****	****	24
6.5-6.9	1	0	0	0	0	0	0	71	0	0	0	****	****	****	0
7.0-10.4	0	0	0	0	0	0	0	0	0	0	0	****	****	****	0
UNKNOWN	5	1	0	0	0	1	0	******	******	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	*****	*****	*****	*****	*****	*****	*****	*****
SLOPE								0.043	-0.010	******	******	******	******	******	******
STD.ERROR								0.045	0.054	*****	*****	*****	*****	*****	*****

TABLE 18-B-11

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: URIC ACID (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 45-49 AT EXAM																
TOTAL	9	8	8	6	5	1	0	TOTAL	25	20	20	15	12	2	0	9
0.5-2.9	0	0	0	0	0	0	0	0.5-2.9	0	0	0	0	****	****	****	0
3.0-3.4	0	0	0	0	0	0	0	3.0-3.4	0	0	0	0	****	****	****	0
3.5-3.9	0	0	2	0	0	0	0	3.5-3.9	0	0	111	0	****	****	****	0
4.0-4.4	2	1	1	0	0	0	0	4.0-4.4	95	21	18	0	****	****	****	14
4.5-4.9	0	1	1	1	0	0	0	4.5-4.9	0	15	15	15	****	****	****	0
5.0-5.4	1	0	1	1	0	0	0	5.0-5.4	28	0	14	13	****	****	****	10
5.5-5.9	1	1	1	2	0	0	0	5.5-5.9	45	20	26	41	****	****	****	15
6.0-6.4	0	2	1	1	0	0	0	6.0-6.4	0	43	29	50	****	****	****	0
6.5-6.9	0	0	0	0	0	0	0	6.5-6.9	0	0	0	0	****	****	****	0
7.0-10.4	0	2	0	0	0	0	0	7.0-10.4	0	95	0	0	****	****	****	0
UNKNOWN	5	0	0	0	4	0	0	SLOPE	-0.017	0.080	-0.016	0.044	******	******	******	0.008
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.040	0.034	0.039	0.045	*****	*****	*****	0.056
MEN AGED 50-54 AT EXAM																
TOTAL	16	11	8	7	6	2	0	TOTAL	43	32	24	18	15	5	0	25
0.5-2.9	1	1	0	0	0	0	0	0.5-2.9	59	100	0	0	****	****	****	0
3.0-3.4	0	0	0	0	0	0	0	3.0-3.4	0	0	0	0	****	****	****	0
3.5-3.9	0	0	0	0	0	0	0	3.5-3.9	0	0	0	0	****	****	****	0
4.0-4.4	0	2	1	2	0	0	0	4.0-4.4	0	40	20	36	****	****	****	0
4.5-4.9	3	2	1	0	0	0	0	4.5-4.9	91	38	15	0	****	****	****	12
5.0-5.4	3	0	2	2	0	0	0	5.0-5.4	125	0	43	29	****	****	****	12
5.5-5.9	4	0	2	0	0	0	0	5.5-5.9	118	0	62	0	****	****	****	81
6.0-6.4	1	3	2	2	0	0	0	6.0-6.4	62	120	61	65	****	****	****	83
6.5-6.9	0	2	0	1	0	0	0	6.5-6.9	0	91	0	100	****	****	****	0
7.0-10.4	0	0	0	0	0	0	0	7.0-10.4	0	0	0	0	****	****	****	0
UNKNOWN	4	1	0	0	6	2	0	SLOPE	0.022	0.014	0.043	0.045	******	******	******	0.064
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.024	0.028	0.038	0.042	*****	*****	*****	0.031
MEN AGED 55-59 AT EXAM																
TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
0.5-2.9	0	0	0	0	0	0	0	0.5-2.9	0	0	****	0	****	****	****	0
3.0-3.4	0	0	0	0	0	0	0	3.0-3.4	0	0	0	0	****	****	****	0
3.5-3.9	1	2	1	0	0	0	0	3.5-3.9	56	80	31	0	****	****	****	31
4.0-4.4	1	0	1	0	0	0	0	4.0-4.4	34	0	26	0	****	****	****	35
4.5-4.9	4	3	2	2	0	0	0	4.5-4.9	133	59	33	32	****	****	****	25
5.0-5.4	4	3	2	0	0	0	0	5.0-5.4	129	57	30	0	****	****	****	67
5.5-5.9	1	2	0	0	0	0	0	5.5-5.9	40	47	0	0	****	****	****	0
6.0-6.4	0	3	1	0	0	0	0	6.0-6.4	0	103	42	0	****	****	****	31
6.5-6.9	1	0	1	0	0	0	0	6.5-6.9	143	0	100	0	****	****	****	71
7.0-10.4	1	1	1	0	0	0	0	7.0-10.4	111	71	111	0	****	****	****	159
UNKNOWN	5	0	0	1	2	5	3	SLOPE	0.025	0.024	0.037	******	******	******	******	0.044
NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.024	0.025	0.037	*****	*****	*****	*****	0.027

TABLE 18-B-11

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE — CHARACTERISTIC: URIC ACID (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
0.5-2.9	0	0	0	0	0	0	0	0.5-2.9	0	0	0	0	****	****	****	0
3.0-3.4	0	0	0	0	0	0	0	3.0-3.4	0	0	0	0	****	****	****	0
3.5-3.9	0	1	0	1	0	0	0	3.5-3.9	0	71	0	43	****	****	****	37
4.0-4.4	0	3	4	0	0	0	0	4.0-4.4	0	150	100	0	****	****	****	19
4.5-4.9	2	1	2	2	0	0	0	4.5-4.9	200	37	47	36	****	****	****	48
5.0-5.4	1	2	6	0	0	0	0	5.0-5.4	143	100	162	0	****	****	****	23
5.5-5.9	0	3	0	2	0	0	0	5.5-5.9	0	143	0	57	****	****	****	48
6.0-6.4	1	0	2	2	0	0	0	6.0-6.4	111	0	125	87	****	****	****	34
6.5-6.9	0	0	0	0	0	0	0	6.5-6.9	0	0	0	0	****	****	****	0
7.0-10.4	0	0	0	1	0	0	0	7.0-10.4	0	0	0	250	****	****	****	227
UNKNOWN	0	1	0	0	2	1	0	SLOPE	0.017	-0.015	0.011	0.066	******	******	******	0.027
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	0.043	0.031	0.031	0.040	*****	*****	*****	0.033
MEN AGED 65-69 AT EXAM																
TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
0.5-2.9		0	0	0	0	0	0	0.5-2.9				0	****	****	****	0
3.0-3.4		0	0	1	0	0	0	3.0-3.4				111	****	****	****	161
3.5-3.9		0	0	0	0	0	0	3.5-3.9				0	****	****	****	0
4.0-4.4		0	0	3	0	0	0	4.0-4.4				143	****	****	****	114
4.5-4.9		0	1	2	0	0	0	4.5-4.9				200	****	****	****	118
5.0-5.4		0	1	0	0	0	0	5.0-5.4				0	****	****	****	0
5.5-5.9		0	0	1	0	0	0	5.5-5.9				71	****	****	****	52
6.0-6.4		0	0	0	0	0	0	6.0-6.4				0	****	****	****	83
6.5-6.9		0	0	1	0	0	0	6.5-6.9				333	****	****	****	0
7.0-10.4		0	0	0	0	0	0	7.0-10.4				0	****	****	****	0
UNKNOWN		0	0	0	9	2	0	SLOPE				-0.022	******	******	******	-0.038
NO EXAM		0	1	0	0	1	0	STD.ERROR				0.035	*****	*****	*****	0.035
MEN AGED 70-74 AT EXAM																
TOTAL					1	1	0	TOTAL						20	0	60
0.5-2.9					0	0	0	0.5-2.9						****	****	0
3.0-3.4					0	0	0	3.0-3.4						****	****	0
3.5-3.9					0	0	0	3.5-3.9						****	****	0
4.0-4.4					0	0	0	4.0-4.4						****	****	0
4.5-4.9					0	0	0	4.5-4.9						****	****	263
5.0-5.4					0	0	0	5.0-5.4						****	****	0
5.5-5.9					0	0	0	5.5-5.9						****	****	0
6.0-6.4					0	0	0	6.0-6.4						****	****	0
6.5-6.9					0	0	0	6.5-6.9						****	****	625
7.0-10.4					0	0	0	7.0-10.4						****	****	0
UNKNOWN					1	1	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-11

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE CHARACTERISTIC: URIC ACID (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 29-34 AT EXAM																
TOTAL	0	0	0					TOTAL	0	0	0					0
0.5-2.9	0	0	0					0.5-2.9	0	0	0					0
3.0-3.4	0	0	0					3.0-3.4	0	0	0					0
3.5-3.9	0	0	0					3.5-3.9	0	0	0					0
4.0-4.4	0	0	0					4.0-4.4	0	0	0					0
4.5-4.9	0	0	0					4.5-4.9	0	0	0					0
5.0-5.4	0	0	0					5.0-5.4	0	0	****					0
5.5-5.9	0	0	0					5.5-5.9	0	0	0					0
6.0-6.4	0	0	0					6.0-6.4	0	0	0					0
6.5-6.9	0	0	0					6.5-6.9	0	****	****					0
7.0-10.4	0	0	0					7.0-10.4	0	****	****					0
UNKNOWN	0	0	0					SLOPE	******	******	******					******
NO EXAM	0	0	0					STD.ERROR	*****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM																
TOTAL	4	1	1	0	0	0		TOTAL	7	2	2	0	0			0
0.5-2.9	0	0	0	0	0	0		0.5-2.9	0	0	0	0	****			0
3.0-3.4	0	0	0	0	0	0		3.0-3.4	0	0	0	0	****			0
3.5-3.9	0	0	0	0	0	0		3.5-3.9	0	0	0	0	****			0
4.0-4.4	2	0	0	0	0	0		4.0-4.4	34	0	0	0	****			0
4.5-4.9	0	1	0	0	0	0		4.5-4.9	0	20	0	0	****			0
5.0-5.4	0	0	0	0	0	0		5.0-5.4	0	0	0	0	****			0
5.5-5.9	0	0	0	0	0	0		5.5-5.9	0	0	0	0	****			0
6.0-6.4	0	0	0	0	0	0		6.0-6.4	0	0	0	0	****			0
6.5-6.9	0	0	0	0	0	0		6.5-6.9	0	0	0	****	****			0
7.0-10.4	0	0	0	0	0	0		7.0-10.4	0	****	****	0	****			0
UNKNOWN	2	0	1	0	0	0		SLOPE	******	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	*****	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM																
TOTAL	3	4	4	3	1	0	0	TOTAL	6	7	7	5	2	0	0	6
0.5-2.9	2	1	0	1	0	0	0	0.5-2.9	22	17	0	11	****	****	****	11
3.0-3.4	0	1	1	0	0	0	0	3.0-3.4	0	13	9	0	****	****	****	0
3.5-3.9	0	0	2	0	0	0	0	3.5-3.9	0	0	17	0	****	****	****	7
4.0-4.4	0	1	0	1	0	0	0	4.0-4.4	0	10	0	11	****	****	****	9
4.5-4.9	1	0	0	0	0	0	0	4.5-4.9	31	0	0	0	****	****	****	0
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4	0	0	0	0	****	****	****	0
5.5-5.9	0	0	0	0	0	0	0	5.5-5.9	0	0	0	0	****	****	****	0
6.0-6.4	0	0	0	0	0	0	0	6.0-6.4	0	0	0	0	****	****	****	0
6.5-6.9	0	0	0	0	0	0	0	6.5-6.9	0	0	0	0	****	****	****	0
7.0-10.4	0	0	0	0	0	0	0	7.0-10.4	0	0	****	****	****	****	****	0
UNKNOWN	0	0	1	1	1	0	0	SLOPE	-0.022	-0.091	-0.049	******	******	******	******	-0.011
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.054	0.066	0.074	*****	*****	*****	*****	0.070

TABLE 18-B-11

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: URIC ACID (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 45-49 AT EXAM																
TOTAL	5	4	1	1	1	1	0	TOTAL	11	9	2	2	2	2	0	3
0.5-2.9	0	0	0	0	0	0	0	0.5-2.9	0	0	0	0	****	****	****	0
3.0-3.4	0	0	1	0	0	0	0	3.0-3.4	0	0	12	0	****	****	****	0
3.5-3.9	1	1	0	1	0	0	0	3.5-3.9	23	12	0	11	****	****	****	7
4.0-4.4	0	0	0	0	0	0	0	4.0-4.4	0	0	0	0	****	****	****	0
4.5-4.9	1	0	0	0	0	0	0	4.5-4.9	28	0	0	0	****	****	****	0
5.0-5.4	1	0	0	0	0	0	0	5.0-5.4	67	0	0	0	****	****	****	0
5.5-5.9	0	3	0	0	0	0	0	5.5-5.9	0	120	0	0	****	****	****	74
6.0-6.4	0	0	0	0	0	0	0	6.0-6.4	0	0	0	0	****	****	****	0
6.5-6.9	0	0	0	0	0	0	0	6.5-6.9	0	0	0	0	****	****	****	0
7.0-10.4	0	0	0	0	0	0	0	7.0-10.4	0	0	****	****	****	****	****	0
UNKNOWN	2	0	0	0	1	1	0	SLOPE	0.054	0.129	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.055	0.053	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM																
TOTAL	15	8	6	3	1	1	0	TOTAL	35	18	14	7	2	2	0	5
0.5-2.9	1	0	1	0	0	0	0	0.5-2.9	21	0	33	0	****	****	****	0
3.0-3.4	1	2	0	0	0	0	0	3.0-3.4	32	37	0	0	****	****	****	0
3.5-3.9	4	2	0	0	0	0	0	3.5-3.9	108	26	0	0	****	****	****	0
4.0-4.4	1	1	1	0	0	0	0	4.0-4.4	30	14	15	0	****	****	****	9
4.5-4.9	2	0	0	0	0	0	0	4.5-4.9	50	0	0	0	****	****	****	0
5.0-5.4	1	2	2	1	0	0	0	5.0-5.4	48	38	51	37	****	****	****	23
5.5-5.9	0	0	1	0	0	0	0	5.5-5.9	0	0	53	0	****	****	****	0
6.0-6.4	0	1	0	0	0	0	0	6.0-6.4	0	77	0	0	****	****	****	0
6.5-6.9	0	0	0	0	0	0	0	6.5-6.9	0	0	0	0	****	****	****	0
7.0-10.4	0	0	0	0	0	0	0	7.0-10.4	0	0	****	****	****	****	****	0
UNKNOWN	5	0	0	2	1	1	0	SLOPE	0.002	0.002	0.063	******	******	******	******	******
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.028	0.035	0.052	*****	*****	*****	*****	*****
WOMEN AGED 55-59 AT EXAM																
TOTAL	15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
0.5-2.9	1	1	2	0	0	0	0	0.5-2.9	45	34	118	0	****	****	****	26
3.0-3.4	0	2	2	0	0	0	0	3.0-3.4	0	43	36	0	****	****	****	15
3.5-3.9	0	2	2	2	0	0	0	3.5-3.9	0	36	32	27	****	****	****	11
4.0-4.4	0	4	2	2	0	0	0	4.0-4.4	0	51	25	24	****	****	****	28
4.5-4.9	2	3	1	0	0	0	0	4.5-4.9	67	46	16	0	****	****	****	0
5.0-5.4	0	1	1	1	0	0	0	5.0-5.4	0	27	42	34	****	****	****	25
5.5-5.9	0	1	1	1	0	0	0	5.5-5.9	0	48	83	77	****	****	****	0
6.0-6.4	0	0	2	1	0	0	0	6.0-6.4	0	0	286	125	****	****	****	0
6.5-6.9	1	2	2	0	0	0	0	6.5-6.9	333	286	500	0	****	****	****	0
7.0-10.4	0	2	0	0	0	0	0	7.0-10.4	0	1000	0	0	****	****	****	0
UNKNOWN	11	0	0	2	6	2	0	SLOPE	0.053	0.053	0.057	0.081	******	******	******	-0.027
NO EXAM	0	0	1	1	0	0	0	STD.ERROR	0.048	0.024	0.030	0.044	*****	*****	*****	0.041

TABLE 18-8-11

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: URIC ACID (MG/100 ML)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 60-64 AT EXAM																
TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
0.5-2.9	0	1	1	1	0	0	0	0.5-2.9	0	43	43	53	****	****	****	36
3.0-3.4	0	1	3	2	0	0	0	3.0-3.4	0	59	107	54	****	****	****	22
3.5-3.9	1	2	1	0	0	0	0	3.5-3.9	77	54	20	0	****	****	****	27
4.0-4.4	2	1	1	0	0	0	0	4.0-4.4	125	34	16	0	****	****	****	12
4.5-4.9	0	2	1	1	0	0	0	4.5-4.9	0	74	29	21	****	****	****	35
5.0-5.4	0	0	0	2	0	0	0	5.0-5.4	0	0	0	51	****	****	****	28
5.5-5.9	0	1	0	2	0	0	0	5.5-5.9	0	62	0	95	****	****	****	112
6.0-6.4	0	0	0	0	0	0	0	6.0-6.4	****	0	0	0	****	****	****	156
6.5-6.9	0	0	0	0	0	0	0	6.5-6.9	0	0	0	0	****	****	****	0
7.0-10.4	0	1	1	1	0	0	0	7.0-10.4	****	500	1000	1000	****	****	****	0
UNKNOWN	0	0	1	1	7	6	4	SLOPE	-0.040	0.009	-0.011	0.074	******	******	******	0.045
NO EXAM	0	0	1	2	2	1	0	STD.ERROR	0.063	0.031	0.039	0.038	*****	*****	*****	0.034
WOMEN AGED 65-69 AT EXAM																
TOTAL		0	1	3	6	3	2	TOTAL				24	24	9	6	47
0.5-2.9		0	0	0	0	0	0	0.5-2.9				0	****	****	****	93
3.0-3.4		0	0	1	0	0	0	3.0-3.4				62	****	****	****	87
3.5-3.9		0	0	0	0	0	0	3.5-3.9				0	****	****	****	0
4.0-4.4		0	0	0	0	0	0	4.0-4.4				0	****	****	****	0
4.5-4.9		0	0	1	0	0	0	4.5-4.9				38	****	****	****	0
5.0-5.4		0	1	0	0	0	0	5.0-5.4				0	****	****	****	147
5.5-5.9		0	0	0	0	0	0	5.5-5.9				0	****	****	****	93
6.0-6.4		0	0	0	0	0	0	6.0-6.4				0	****	****	****	0
6.5-6.9		0	0	0	0	0	0	6.5-6.9				0	****	****	****	0
7.0-10.4		0	0	0	0	0	0	7.0-10.4				0	****	****	****	1250
UNKNOWN		0	0	0	5	3	2	SLOPE				******	******	******	******	0.072
NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	*****	*****	*****	0.040
WOMEN AGED 70-74 AT EXAM																
TOTAL					0	1	0	TOTAL						17	0	21
0.5-2.9					0	0	0	0.5-2.9						****	****	0
3.0-3.4					0	0	0	3.0-3.4						****	****	0
3.5-3.9					0	0	0	3.5-3.9						****	****	0
4.0-4.4					0	0	0	4.0-4.4						****	****	0
4.5-4.9					0	0	0	4.5-4.9						****	****	109
5.0-5.4					0	0	0	5.0-5.4						****	****	0
5.5-5.9					0	0	0	5.5-5.9						****	****	0
6.0-6.4					0	0	0	6.0-6.4						****	****	0
6.5-6.9					0	0	0	6.5-6.9						****	****	0
7.0-10.4					0	0	0	7.0-10.4						****	****	*****
UNKNOWN					0	1	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-12

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: VITAL CAPACITY (LITERS)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 29-34 AT EXAM																
TOTAL	3	2	0					TOTAL	8	11	0					8
0.5-1.4	0	0	0					0.5-1.4	****	****	****					*****
1.5-1.9	0	0	0					1.5-1.9	0	****	****					0
2.0-2.4	0	0	0					2.0-2.4	0	****	****					0
2.5-2.9	0	0	0					2.5-2.9	0	0	0					0
3.0-3.4	2	1	0					3.0-3.4	42	43	0					68
3.5-3.9	0	0	0					3.5-3.9	0	0	0					0
4.0-4.4	1	1	0					4.0-4.4	10	17	0					0
4.5-4.9	0	0	0					4.5-4.9	0	0	0					0
5.0-5.4	0	0	0					5.0-5.4	0	0	0					0
5.5-6.1	0	0	0					5.5-6.1	0	0	0					0
UNKNOWN	0	0	0					SLOPE	-0.122	******	******					******
NO EXAM	0	0	0					STD.ERROR	0.086	*****	*****					*****
MEN AGED 35-39 AT EXAM																
TOTAL	3	0	2	1	1	0		TOTAL	7	0	5	4	10			6
0.5-1.4	0	0	0	0	0	0		0.5-1.4	0	****	0	****	****			0
1.5-1.9	0	0	0	0	0	0		1.5-1.9	0	0	0	****	0			0
2.0-2.4	0	0	0	0	0	0		2.0-2.4	0	0	0	0	****			0
2.5-2.9	0	0	0	0	0	0		2.5-2.9	0	0	0	0	0			0
3.0-3.4	2	0	2	0	0	0		3.0-3.4	32	0	37	0	0			46
3.5-3.9	1	0	0	1	1	0		3.5-3.9	8	0	0	18	77			0
4.0-4.4	0	0	0	0	0	0		4.0-4.4	0	0	0	0	0			0
4.5-4.9	0	0	0	0	0	0		4.5-4.9	0	0	0	0	0			0
5.0-5.4	0	0	0	0	0	0		5.0-5.4	0	0	0	0	0			0
5.5-6.1	0	0	0	0	0	0		5.5-6.1	0	0	0	0	0			0
UNKNOWN	0	0	0	0	0	0		SLOPE	-0.136	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	0.092	*****	*****	*****	*****			*****
MEN AGED 40-44 AT EXAM																
TOTAL	8	6	4	1	0	1	0	TOTAL	19	15	9	2	0	3	0	4
0.5-1.4	0	0	0	0	0	0	0	0.5-1.4	****	****	****	****	****	****	****	*****
1.5-1.9	0	0	0	0	0	0	0	1.5-1.9	****	****	0	0	0	****	****	0
2.0-2.4	1	0	0	0	0	0	0	2.0-2.4	111	0	0	0	0	0	****	0
2.5-2.9	0	1	0	0	0	0	0	2.5-2.9	0	37	0	0	0	0	0	45
3.0-3.4	1	0	1	0	0	0	0	3.0-3.4	11	0	15	0	0	0	0	0
3.5-3.9	3	1	1	0	0	1	0	3.5-3.9	24	9	9	0	0	14	0	7
4.0-4.4	3	1	0	0	0	0	0	4.0-4.4	30	9	0	0	0	0	0	0
4.5-4.9	0	0	0	0	0	0	0	4.5-4.9	0	0	0	0	0	0	0	0
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4	0	0	0	0	0	0	0	0
5.5-6.1	0	0	0	0	0	0	0	5.5-6.1	0	****	0	0	0	0	0	0
UNKNOWN	0	1	0	0	0	0	0	SLOPE	-0.038	-0.074	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.055	0.095	*****	*****	*****	*****	*****	*****

TABLE 18-B-12

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: VITAL CAPACITY (LITERS)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 45-49 AT EXAM																
TOTAL	9	8	8	6	5	1	0	TOTAL	25	20	20	15	12	2	0	9
0.5-1.4	0	0	0	0	0	0	0	0.5-1.4	0	0	****	****	****	****	0	0
1.5-1.9	0	0	0	0	0	0	0	1.5-1.9	****	****	****	0	****	0	0	0
2.0-2.4	2	0	1	1	1	0	0	2.0-2.4	222	0	100	200	143	0	0	98
2.5-2.9	1	0	1	0	0	0	0	2.5-2.9	33	0	26	0	0	0	0	25
3.0-3.4	0	3	2	0	0	0	0	3.0-3.4	0	31	23	0	0	0	0	0
3.5-3.9	4	2	2	2	2	0	0	3.5-3.9	36	17	20	18	19	0	0	6
4.0-4.4	2	2	1	2	1	0	0	4.0-4.4	24	28	14	21	10	0	0	8
4.5-4.9	0	0	0	0	0	0	0	4.5-4.9	0	0	0	0	0	0	0	0
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4	0	0	0	0	0	0	0	0
5.5-6.1	0	0	0	0	0	0	0	5.5-6.1	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.080	0.006	-0.093	-0.075	-0.087	******	******	-0.099
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.053	0.060	0.060	0.073	0.077	*****	*****	0.077
MEN AGED 50-54 AT EXAM																
TOTAL	16	11	8	7	6	2	0	TOTAL	43	32	24	18	15	5	0	25
0.5-1.4	0	0	0	0	0	0	0	0.5-1.4	****	****	****	****	****	****	****	*****
1.5-1.9	0	1	1	0	0	0	0	1.5-1.9	0	200	200	0	0	0	0	208
2.0-2.4	3	1	0	1	0	0	0	2.0-2.4	187	125	0	100	0	0	0	143
2.5-2.9	4	1	1	0	1	0	0	2.5-2.9	89	30	25	0	29	0	0	0
3.0-3.4	3	3	4	3	3	1	0	3.0-3.4	33	33	47	34	39	11	0	43
3.5-3.9	2	3	1	2	2	1	0	3.5-3.9	17	33	15	18	17	10	0	14
4.0-4.4	3	2	1	1	0	0	0	4.0-4.4	45	26	18	18	0	0	0	22
4.5-4.9	1	0	0	0	0	0	0	4.5-4.9	40	0	0	0	0	0	0	28
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4	0	0	0	0	0	0	0	0
5.5-6.1	0	0	0	0	0	0	0	5.5-6.1	0	****	****	0	0	0	****	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.080	-0.091	-0.108	-0.074	-0.079	******	******	-0.067
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.038	0.049	0.056	0.059	0.062	*****	*****	0.042
MEN AGED 55-59 AT EXAM																
TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
0.5-1.4	0	0	0	0	0	0	0	0.5-1.4	****	0	****	****	****	****	****	0
1.5-1.9	0	0	0	0	0	0	0	1.5-1.9	0	0	0	0	0	0	0	0
2.0-2.4	2	1	3	1	0	0	0	2.0-2.4	143	62	214	91	0	0	0	55
2.5-2.9	6	6	2	1	1	2	1	2.5-2.9	115	122	43	22	25	47	18	105
3.0-3.4	3	5	1	0	0	0	2	3.0-3.4	36	60	12	0	0	0	22	35
3.5-3.9	6	2	3	0	1	3	0	3.5-3.9	71	22	32	0	13	40	0	26
4.0-4.4	1	0	0	1	0	0	0	4.0-4.4	31	0	0	26	0	0	0	0
4.5-4.9	0	0	0	0	0	0	0	4.5-4.9	0	0	0	0	0	0	0	0
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4	0	0	0	0	0	0	0	0
5.5-6.1	0	0	0	0	0	0	0	5.5-6.1	****	****	****	****	****	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.078	-0.087	-0.159	-0.109	******	-0.043	-0.060	-0.099
NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.043	0.042	0.057	0.095	*****	0.069	0.086	0.041

TABLE 18-B-12

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: VITAL CAPACITY (LITERS)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
0.5-1.4	0	0	0	0	0	0	0	0.5-1.4	****	****	0	****	0	0	****	0
1.5-1.9	0	2	0	0	0	0	0	1.5-1.9	0	400	0	0	0	0	0	0
2.0-2.4	0	1	3	2	0	0	0	2.0-2.4	0	59	143	125	0	0	0	160
2.5-2.9	1	2	4	1	1	0	0	2.5-2.9	56	74	82	20	21	0	0	35
3.0-3.4	1	5	7	5	0	0	0	3.0-3.4	45	104	111	58	0	0	0	33
3.5-3.9	1	1	0	0	0	1	0	3.5-3.9	83	24	0	0	0	14	0	12
4.0-4.4	0	0	0	0	1	0	0	4.0-4.4	0	0	0	0	42	0	0	0
4.5-4.9	0	0	0	0	0	0	0	4.5-4.9	0	0	0	0	0	0	0	0
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4	****	****	0	****	0	0	0	0
5.5-6.1	0	0	0	0	0	0	0	5.5-6.1	****	****	****	****	****	****	0	0
UNKNOWN	1	0	0	0	0	0	0	SLOPE	0.007	-0.111	-0.081	-0.122	******	******	******	-0.132
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	0.098	0.051	0.043	0.061	*****	*****	*****	0.054
MEN AGED 65-69 AT EXAM																
TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
0.5-1.4		0	0	0	0	0	0	0.5-1.4				****	0	0	0	0
1.5-1.9		0	0	0	0	0	0	1.5-1.9				0	0	0	0	0
2.0-2.4		0	0	1	1	0	0	2.0-2.4				100	77	0	0	0
2.5-2.9		0	0	5	2	0	0	2.5-2.9				238	47	0	0	32
3.0-3.4		0	1	2	5	2	0	3.0-3.4				71	94	30	0	128
3.5-3.9		0	1	0	1	0	0	3.5-3.9				0	32	0	0	36
4.0-4.4		0	0	0	0	0	0	4.0-4.4				0	0	0	0	0
4.5-4.9		0	0	0	0	0	0	4.5-4.9				0	****	0	0	0
5.0-5.4		0	0	0	0	0	0	5.0-5.4				****	****	****	0	0
5.5-6.1		0	0	0	0	0	0	5.5-6.1				****	****	0	****	0
UNKNOWN		0	0	0	0	0	0	SLOPE				-0.111	-0.013	******	******	0.007
NO EXAM		0	1	0	0	1	0	STD.ERROR				0.062	0.056	*****	*****	0.058
MEN AGED 70-74 AT EXAM																
TOTAL					1	1	0	TOTAL						20	0	60
0.5-1.4					0	0	0	0.5-1.4						****	****	*****
1.5-1.9					0	0	0	1.5-1.9						0	0	0
2.0-2.4					1	0	0	2.0-2.4						0	0	278
2.5-2.9					0	1	0	2.5-2.9						91	0	152
3.0-3.4					0	0	0	3.0-3.4						0	0	0
3.5-3.9					0	0	0	3.5-3.9						0	0	0
4.0-4.4					0	0	0	4.0-4.4						0	0	0
4.5-4.9					0	0	0	4.5-4.9						****	****	*****
5.0-5.4					0	0	0	5.0-5.4						****	****	*****
5.5-6.1					0	0	0	5.5-6.1						****	****	*****
UNKNOWN					0	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-12

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: VITAL CAPACITY (LITERS)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 29-34 AT EXAM															
TOTAL	0	0	0					TOTAL 0	0	0					0
0.5-1.4	0	0	0					0.5-1.4 ****	0	****					0
1.5-1.9	0	0	0					1.5-1.9 0	0	****					0
2.0-2.4	0	0	0					2.0-2.4 0	0	0					0
2.5-2.9	0	0	0					2.5-2.9 0	0	0					0
3.0-3.4	0	0	0					3.0-3.4 0	0	0					0
3.5-3.9	0	0	0					3.5-3.9 0	0	0					0
4.0-4.4	0	0	0					4.0-4.4 0	0	0					0
4.5-4.9	0	0	0					4.5-4.9 ****	****	****					*****
5.0-5.4	0	0	0					5.0-5.4 0	****	****					0
5.5-6.1	0	0	0					5.5-6.1 ****	****	****					*****
UNKNOWN	0	0	0					SLOPE ******	******	******					******
NO EXAM	0	0	0					STD.ERROR *****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM															
TOTAL	4	1	1	0	0	0		TOTAL 7	2	2	0	0			0
0.5-1.4	0	0	0	0	0	0		0.5-1.4 0	0	0	****	****			0
1.5-1.9	0	0	0	0	0	0		1.5-1.9 0	0	0	0	****			0
2.0-2.4	1	0	0	0	0	0		2.0-2.4 11	0	0	0	0			0
2.5-2.9	2	1	1	0	0	0		2.5-2.9 9	5	6	0	0			0
3.0-3.4	1	0	0	0	0	0		3.0-3.4 6	0	0	0	0			0
3.5-3.9	0	0	0	0	0	0		3.5-3.9 0	0	0	0	0			0
4.0-4.4	0	0	0	0	0	0		4.0-4.4 0	0	0	0	0			0
4.5-4.9	0	0	0	0	0	0		4.5-4.9 0	0	0	****	0			0
5.0-5.4	0	0	0	0	0	0		5.0-5.4 0	****	****	****	****			0
5.5-6.1	0	0	0	0	0	0		5.5-6.1 ****	****	****	****	****			*****
UNKNOWN	0	0	0	0	0	0		SLOPE -0.076	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR 0.095	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM															
TOTAL	3	4	4	3	1	0	0	TOTAL 6	7	7	5	2	0	0	6
0.5-1.4	0	0	0	0	0	0	0	0.5-1.4 0	0	0	****	****	****	****	0
1.5-1.9	1	1	2	0	0	0	0	1.5-1.9 30	45	125	0	0	0	0	49
2.0-2.4	1	2	1	1	0	0	0	2.0-2.4 7	22	10	14	0	0	0	9
2.5-2.9	1	0	1	1	1	0	0	2.5-2.9 5	0	5	4	5	0	0	4
3.0-3.4	0	0	0	1	0	0	0	3.0-3.4 0	0	0	7	0	0	0	6
3.5-3.9	0	0	0	0	0	0	0	3.5-3.9 0	0	0	0	0	0	0	0
4.0-4.4	0	0	0	0	0	0	0	4.0-4.4 0	0	0	0	0	0	0	0
4.5-4.9	0	0	0	0	0	0	0	4.5-4.9 0	****	****	0	0	****	****	0
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4 ****	****	****	****	****	****	****	*****
5.5-6.1	0	0	0	0	0	0	0	5.5-6.1 ****	****	****	****	****	0	****	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE -0.224	-0.289	-0.339	-0.094	******	******	******	-0.187
NO EXAM	0	1	0	0	0	0	0	STD.ERROR 0.115	0.123	0.109	0.120	*****	*****	*****	0.100

TABLE 18-B-12

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: VITAL CAPACITY (LITERS)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 45-49 AT EXAM																
TOTAL	5	4	1	1	1	1	0	TOTAL	11	9	2	2	2	2	0	3
0.5-1.4	0	0	0	0	0	0	0	0.5-1.4	0	0	0	0	0	0	0	0
1.5-1.9	0	0	0	0	0	0	0	1.5-1.9	0	0	0	0	0	0	0	0
2.0-2.4	4	3	1	1	1	1	0	2.0-2.4	25	23	8	9	12	10	0	12
2.5-2.9	0	1	0	0	0	0	0	2.5-2.9	0	6	0	0	0	0	0	0
3.0-3.4	1	0	0	0	0	0	0	3.0-3.4	12	0	0	0	0	0	0	0
3.5-3.9	0	0	0	0	0	0	0	3.5-3.9	0	0	0	0	0	0	0	0
4.0-4.4	0	0	0	0	0	0	0	4.0-4.4	0	0	0	0	0	0	0	0
4.5-4.9	0	0	0	0	0	0	0	4.5-4.9	****	****	****	0	****	0	0	0
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4	****	****	****	****	****	****	****	*****
5.5-6.1	0	0	0	0	0	0	0	5.5-6.1	****	****	****	****	****	****	****	*****
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.119	-0.135	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.096	0.101	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM																
TOTAL	15	8	6	3	1	1	0	TOTAL	35	18	14	7	2	2	0	5
0.5-1.4	1	1	0	0	0	0	0	0.5-1.4	71	56	0	0	0	0	0	0
1.5-1.9	7	2	1	2	0	1	0	1.5-1.9	100	29	22	48	0	29	0	31
2.0-2.4	5	2	3	1	1	0	0	2.0-2.4	29	13	21	8	9	0	0	5
2.5-2.9	2	3	1	0	0	0	0	2.5-2.9	16	23	8	0	0	0	0	0
3.0-3.4	0	0	0	0	0	0	0	3.0-3.4	0	0	0	0	0	0	0	0
3.5-3.9	0	0	0	0	0	0	0	3.5-3.9	0	0	0	0	0	0	0	0
4.0-4.4	0	0	0	0	0	0	0	4.0-4.4	0	****	****	****	0	0	****	0
4.5-4.9	0	0	0	0	0	0	0	4.5-4.9	****	****	****	****	****	****	****	*****
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4	****	****	****	****	****	****	****	*****
5.5-6.1	0	0	0	0	0	0	0	5.5-6.1	****	****	****	****	****	****	****	*****
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.182	-0.069	-0.084	-0.291	******	******	******	-0.189
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.054	0.071	0.094	0.127	*****	*****	*****	0.119
WOMEN AGED 55-59 AT EXAM																
TOTAL	15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
0.5-1.4	1	4	3	1	0	0	0	0.5-1.4	48	190	176	67	0	0	0	213
1.5-1.9	4	5	4	1	2	1	0	1.5-1.9	56	69	74	16	38	20	0	48
2.0-2.4	10	6	5	4	3	1	0	2.0-2.4	57	39	37	28	19	7	0	5
2.5-2.9	0	2	2	3	1	0	0	2.5-2.9	0	20	21	24	8	0	0	0
3.0-3.4	0	0	0	0	0	0	0	3.0-3.4	0	0	0	0	0	0	0	0
3.5-3.9	0	0	0	0	0	0	0	3.5-3.9	0	0	0	0	0	0	0	0
4.0-4.4	0	0	0	0	0	0	0	4.0-4.4	****	****	****	****	****	****	0	0
4.5-4.9	0	0	0	0	0	0	0	4.5-4.9	****	****	****	****	****	****	****	*****
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4	****	****	****	****	****	****	****	*****
5.5-6.1	0	0	0	0	0	0	0	5.5-6.1	****	****	****	****	****	****	****	*****
UNKNOWN	0	1	0	0	0	0	0	SLOPE	-0.108	-0.157	-0.173	-0.099	-0.154	******	******	-0.346
NO EXAM	0	0	1	1	0	0	0	STD.ERROR	0.055	0.052	0.055	0.068	0.089	*****	*****	0.069

TABLE 18-B-12

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: VITAL CAPACITY (LITERS)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 60-64 AT EXAM																
TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
0.5-1.4	0	2	0	2	0	0	1	0.5-1.4	0	100	0	111	0	0	59	95
1.5-1.9	1	2	3	4	2	3	1	1.5-1.9	71	41	46	55	29	48	16	76
2.0-2.4	2	4	6	4	4	3	2	2.0-2.4	65	51	52	28	27	19	12	36
2.5-2.9	0	0	0	0	1	0	0	2.5-2.9	0	0	0	0	12	0	0	0
3.0-3.4	0	0	0	0	0	0	0	3.0-3.4	0	0	0	0	0	0	0	0
3.5-3.9	0	0	0	0	0	0	0	3.5-3.9	0	****	0	0	0	0	0	0
4.0-4.4	0	0	0	0	0	0	0	4.0-4.4	****	****	****	****	****	****	****	*****
4.5-4.9	0	0	0	0	0	0	0	4.5-4.9	****	****	****	****	****	****	****	*****
5.0-5.4	0	0	0	0	0	0	0	5.0-5.4	****	****	****	****	****	****	****	*****
5.5-6.1	0	0	0	0	0	0	0	5.5-6.1	****	****	****	****	****	****	****	*****
UNKNOWN	0	1	0	0	0	0	0	SLOPE	-0.075	-0.149	-0.040	-0.158	-0.081	-0.106	-0.211	-0.153
NO EXAM	0	0	1	2	2	1	0	STD.ERROR	0.118	0.074	0.066	0.068	0.088	0.094	0.110	0.057
WOMEN AGED 65-69 AT EXAM																
TOTAL		0	1	3	6	2	2	TOTAL				24	24	9	6	47
0.5-1.4		0	0	0	1	0	0	0.5-1.4				0	59	0	0	63
1.5-1.9		0	0	1	1	1	1	1.5-1.9				34	20	12	12	60
2.0-2.4		0	1	0	3	2	1	2.0-2.4				0	32	17	8	51
2.5-2.9		0	0	0	0	0	0	2.5-2.9				0	0	0	0	0
3.0-3.4		0	0	0	0	0	0	3.0-3.4				0	0	0	0	0
3.5-3.9		0	0	0	0	0	0	3.5-3.9				****	****	0	****	0
4.0-4.4		0	0	0	0	0	0	4.0-4.4				****	****	****	****	*****
4.5-4.9		0	0	0	0	0	0	4.5-4.9				****	****	****	****	*****
5.0-5.4		0	0	0	0	0	0	5.0-5.4				****	****	****	****	*****
5.5-6.1		0	0	0	0	0	0	5.5-6.1				****	****	****	****	*****
UNKNOWN		0	0	1	0	0	0	SLOPE				******	-0.099	-0.028	******	-0.090
NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	0.099	0.124	*****	0.076
WOMEN AGED 70-74 AT EXAM																
TOTAL					0	1	0	TOTAL						17	0	21
0.5-1.4					0	0	0	0.5-1.4						0	0	0
1.5-1.9					0	1	0	1.5-1.9						77	0	82
2.0-2.4					0	0	0	2.0-2.4						0	0	0
2.5-2.9					0	0	0	2.5-2.9						0	0	0
3.0-3.4					0	0	0	3.0-3.4						****	0	0
3.5-3.9					0	0	0	3.5-3.9						****	****	*****
4.0-4.4					0	0	0	4.0-4.4						****	****	*****
4.5-4.9					0	0	0	4.5-4.9						****	****	*****
5.0-5.4					0	0	0	5.0-5.4						****	****	*****
5.5-6.1					0	0	0	5.5-6.1						****	****	*****
UNKNOWN					0	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-13

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: WEIGHT (POUNDS)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	
MEN AGED 29-34 AT EXAM																
TOTAL	3	2	0					TOTAL	8	11	0					8
067-119	0	0	0					067-119	0	0	****					0
120-129	1	0	0					120-129	91	****	****					0
130-139	0	1	0					130-139	0	91	0					0
140-149	0	0	0					140-149	0	0	****					0
150-159	1	0	0					150-159	15	0	0					54
160-169	0	0	0					160-169	0	0	0					0
170-179	0	0	0					170-179	0	0	0					0
180-189	0	0	0					180-189	0	0	0					0
190-199	0	0	0					190-199	0	0	0					0
200-305	1	1	0					200-305	21	38	0					0
UNKNOWN	0	0	0					SLOPE	-0.010	******	******					******
NO EXAM	0	0	0					STD.ERROR	0.023	*****	*****					*****
MEN AGED 35-39 AT EXAM																
TOTAL	3	0	2	1	1	0		TOTAL	7	0	5	4	10			6
067-119	0	0	0	0	0	0		067-119	0	0	0	0	****			0
120-129	0	0	0	0	0	0		120-129	0	0	0	0	0			0
130-139	0	0	1	0	0	0		130-139	0	0	36	0	0			46
140-149	0	0	0	0	0	0		140-149	0	0	0	0	0			0
150-159	1	0	0	0	0	0		150-159	17	0	0	0	0			0
160-169	0	0	0	0	0	0		160-169	0	0	0	0	0			0
170-179	0	0	0	0	0	0		170-179	0	0	0	0	0			0
180-189	0	0	0	0	0	0		180-189	0	0	0	0	0			0
190-199	1	0	0	0	0	0		190-199	22	0	0	0	0			28
200-305	1	0	1	1	1	0		200-305	20	0	19	24	56			0
UNKNOWN	0	0	0	0	0	0		SLOPE	0.054	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	0.022	*****	*****	*****	*****			*****
MEN AGED 40-44 AT EXAM																
TOTAL	8	6	4	1	0	1	0	TOTAL	19	15	9	2	0	3	0	4
067-119	0	0	0	0	0	0	0	067-119	0	0	0	0	0	0	****	0
120-129	0	0	0	0	0	0	0	120-129	0	0	0	0	0	0	0	0
130-139	0	0	0	0	0	0	0	130-139	0	0	0	0	0	0	0	0
140-149	1	1	0	0	0	0	0	140-149	18	21	0	0	0	0	0	0
150-159	0	0	0	0	0	0	0	150-159	0	0	0	0	0	0	0	0
160-169	1	0	1	0	0	0	0	160-169	18	0	19	0	0	0	0	0
170-179	2	2	1	0	0	0	0	170-179	33	30	13	0	0	0	0	0
180-189	1	0	0	0	0	0	0	180-189	16	0	0	0	0	0	0	0
190-199	1	0	0	0	0	0	0	190-199	30	0	0	0	0	0	0	0
200-305	2	1	0	0	0	1	0	200-305	43	26	0	0	0	18	0	29
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.021	0.005	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.014	0.020	*****	*****	*****	*****	*****	*****

TABLE 18-B-13

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: WEIGHT (POUNDS)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 45-49 AT EXAM																
TOTAL	9	8	8	6	5	1	0	TOTAL	25	20	20	15	12	2	0	9
067-119	0	0	0	0	0	0	0	067-119	0	0	0	0	0	0	0	0
120-129	0	0	0	0	0	0	0	120-129	0	0	0	0	0	0	0	0
130-139	0	1	1	0	0	0	0	130-139	0	34	50	0	0	0	0	0
140-149	1	0	1	0	1	0	0	140-149	21	0	23	0	26	0	0	17
150-159	1	0	0	1	1	0	0	150-159	17	0	0	25	19	0	0	14
160-169	1	1	1	0	1	0	0	160-169	21	17	20	0	19	0	0	14
170-179	1	0	0	2	0	0	0	170-179	18	0	0	36	0	0	0	0
180-189	3	2	2	1	0	0	0	180-189	68	39	38	19	0	0	0	14
190-199	2	2	1	0	1	0	0	190-199	69	65	29	0	28	0	0	0
200-305	0	1	1	1	0	0	0	200-305	0	24	26	23	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.012	0.023	0.009	0.013	-0.015	******	******	-0.017
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.014	0.015	0.015	0.018	0.021	*****	*****	0.020
MEN AGED 50-54 AT EXAM																
TOTAL	16	11	8	7	6	2	0	TOTAL	43	32	24	18	15	5	0	25
067-119	0	0	0	0	1	0	0	067-119	0	0	0	0	200	0	0	0
120-129	0	0	0	1	0	0	0	120-129	0	0	0	143	0	0	0	0
130-139	3	1	0	0	0	0	0	130-139	111	50	0	0	0	0	0	0
140-149	4	1	1	0	0	0	0	140-149	108	29	28	0	0	0	0	42
150-159	2	2	1	0	0	0	0	150-159	30	39	23	0	0	0	0	15
160-169	1	1	2	2	1	0	0	160-169	16	17	38	30	21	0	0	39
170-179	0	1	1	1	1	0	0	170-179	0	19	23	20	20	0	0	0
180-189	3	1	1	2	0	1	0	180-189	81	24	31	47	0	23	0	33
190-199	1	1	1	0	0	1	0	190-199	36	42	48	0	0	23	0	45
200-305	2	3	1	1	3	0	0	200-305	51	103	36	27	67	0	0	56
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.003	0.020	0.007	0.002	0.013	******	******	0.013
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.011	0.013	0.015	0.016	0.016	*****	*****	0.011
MEN AGED 55-59 AT EXAM																
TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
067-119	0	0	0	0	0	1	0	067-119	0	0	0	0	0	250	0	139
120-129	1	1	0	0	0	0	0	120-129	77	91	0	0	0	0	0	0
130-139	1	3	1	0	0	0	0	130-139	48	150	67	0	0	0	0	0
140-149	1	2	3	1	0	0	0	140-149	22	49	111	31	0	0	0	100
150-159	3	2	1	0	0	0	1	150-159	77	45	20	0	0	0	22	37
160-169	3	1	0	0	0	1	0	160-169	68	24	0	0	0	19	0	0
170-179	3	0	0	0	1	2	1	170-179	77	0	0	0	22	39	24	31
180-189	1	1	2	1	1	1	0	180-189	40	34	47	26	24	28	0	20
190-199	1	3	0	1	0	0	1	190-199	48	125	0	34	0	0	34	62
200-305	4	1	2	0	0	0	0	200-305	235	38	69	0	0	0	0	56
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.024	-0.005	0.010	0.003	******	-0.009	0.014	0.005
NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.010	0.011	0.014	0.026	*****	0.019	0.023	0.011

TABLE 18-B-13

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: WEIGHT (POUNDS)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
067-119	0	0	0	0	0	0	0	067-119	0	0	0	0	0	0	0	0
120-129	1	0	1	0	0	0	0	120-129	200	0	83	0	0	0	0	89
130-139	0	1	0	1	0	1	0	130-139	0	125	0	50	0	71	0	56
140-149	2	1	1	3	2	0	0	140-149	250	50	29	107	100	0	0	58
150-159	0	2	4	1	0	0	0	150-159	0	87	108	22	0	0	0	0
160-169	0	2	1	0	0	0	0	160-169	0	74	30	0	0	0	0	0
170-179	1	3	2	3	0	0	0	170-179	91	120	91	70	0	0	0	62
180-189	0	0	1	0	0	0	0	180-189	0	0	40	0	0	0	0	28
190-199	0	1	1	0	0	0	0	190-199	0	125	67	0	0	0	0	52
200-305	0	1	3	0	0	0	0	200-305	0	91	200	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.023	0.014	0.021	-0.014	******	******	******	-0.008
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	0.018	0.012	0.011	0.016	*****	*****	*****	0.014
MEN AGED 65-69 AT EXAM																
TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
067-119		0	0	0	0	0	0	067-119				0	0	0	0	0
120-129		0	0	0	0	0	0	120-129				0	0	0	0	0
130-139		0	0	0	0	0	0	130-139				0	0	0	0	0
140-149		0	1	1	2	1	0	140-149				91	83	43	0	158
150-159		0	0	1	0	0	0	150-159				200	0	0	0	0
160-169		0	0	2	4	0	0	160-169				105	148	0	0	89
170-179		0	1	2	1	0	0	170-179				143	53	0	0	53
180-189		0	0	0	0	0	0	180-189				0	0	0	0	0
190-199		0	0	0	0	0	0	190-199				0	0	0	0	0
200-305		0	0	2	2	1	0	200-305				286	182	83	0	204
UNKNOWN		0	0	0	0	0	0	SLOPE				0.024	0.021	******	******	0.020
NO EXAM		0	1	0	0	1	0	STD.ERROR				0.013	0.013	*****	*****	0.014
MEN AGED 70-74 AT EXAM																
TOTAL					1	1	0	TOTAL						20	0	60
067-119					0	0	0	067-119						****	0	0
120-129					0	0	0	120-129						0	0	0
130-139					0	1	0	130-139						250	0	357
140-149					1	0	0	140-149						0	0	357
150-159					0	0	0	150-159						0	0	0
160-169					0	0	0	160-169						0	0	0
170-179					0	0	0	170-179						0	0	0
180-189					0	0	0	180-189						0	0	0
190-199					0	0	0	190-199						0	0	0
200-305					0	0	0	200-305						0	0	0
UNKNOWN					0	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-13

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: WEIGHT (POUNDS)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	
WOMEN AGED 29-34 AT EXAM																
TOTAL	0	0	0					TOTAL	0	0	0					0
067-119	0	0	0					067-119	0	0	0					0
120-129	0	0	0					120-129	0	0	0					0
130-139	0	0	0					130-139	0	0	0					0
140-149	0	0	0					140-149	0	0	0					0
150-159	0	0	0					150-159	0	0	0					0
160-169	0	0	0					160-169	0	0	0					0
170-179	0	0	0					170-179	0	0	0					0
180-189	0	0	0					180-189	0	0	****					0
190-199	0	0	0					190-199	0	0	****					0
200-305	0	0	0					200-305	0	0	****					0
UNKNOWN	0	0	0					SLOPE	******	******	******					******
NO EXAM	0	0	0					STD.ERROR	*****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM																
TOTAL	4	1	1	0	0	0		TOTAL	7	2	2	0	0			0
067-119	2	0	0	0	0	0		067-119	14	0	0	0	0			0
120-129	1	1	1	0	0	0		120-129	9	9	11	0	0			0
130-139	0	0	0	0	0	0		130-139	0	0	0	0	0			0
140-149	0	0	0	0	0	0		140-149	0	0	0	0	0			0
150-159	0	0	0	0	0	0		150-159	0	0	0	0	0			0
160-169	0	0	0	0	0	0		160-169	0	0	0	0	0			0
170-179	0	0	0	0	0	0		170-179	0	0	0	0	0			0
180-189	0	0	0	0	0	0		180-189	0	0	0	0	0			0
190-199	0	0	0	0	0	0		190-199	0	0	0	0	****			0
200-305	1	0	0	0	0	0		200-305	67	0	0	0	****			0
UNKNOWN	0	0	0	0	0	0		SLOPE	0.004	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	0.020	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM																
TOTAL	3	4	4	3	1	0	0	TOTAL	6	7	7	5	2	0	0	6
067-119	1	2	0	0	0	0	0	067-119	9	19	0	0	0	0	0	0
120-129	0	1	3	1	0	0	0	120-129	0	11	34	10	0	0	0	8
130-139	0	0	0	1	1	0	0	130-139	0	0	0	10	10	0	0	17
140-149	1	0	0	0	0	0	0	140-149	14	0	0	0	0	0	0	0
150-159	1	0	0	0	0	0	0	150-159	17	0	0	0	0	0	0	0
160-169	0	0	0	0	0	0	0	160-169	0	0	0	0	0	0	0	0
170-179	0	0	0	0	0	0	0	170-179	0	0	0	0	0	0	0	0
180-189	0	0	0	1	0	0	0	180-189	0	0	0	67	0	0	0	62
190-199	0	0	0	0	0	0	0	190-199	0	0	0	0	0	0	0	0
200-305	0	0	1	0	0	0	0	200-305	0	0	100	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.001	-0.035	0.010	0.017	******	******	******	0.011
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.024	0.024	0.021	0.023	*****	*****	*****	0.021

TABLE 18-B-13

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: WEIGHT (POUNDS)

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 45-49 AT EXAM															
TOTAL	5	4	1	1	1	1	0	11	9	2	2	2	2	0	3
067-119	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
120-129	0	0	0	1	1	0	0	0	0	0	11	12	0	0	0
130-139	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
140-149	0	1	0	0	0	0	0	0	13	0	0	0	0	0	0
150-159	2	3	1	0	0	0	0	34	53	18	0	0	0	0	12
160-169	1	0	0	0	0	0	0	29	0	0	0	0	0	0	0
170-179	2	0	0	0	0	0	0	91	0	0	0	0	0	0	0
180-189	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
190-199	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
200-305	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	1	0	SLOPE	0.033	0.015	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.017	0.020	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM															
TOTAL	15	8	6	3	1	1	0	TOTAL	35	18	14	7	2	2	0	5
067-119	2	2	0	0	0	0	0	067-119	39	34	0	0	0	0	0	0
120-129	1	0	0	0	0	0	0	120-129	23	0	0	0	0	0	0	0
130-139	1	1	0	0	1	1	0	130-139	13	15	0	0	10	13	0	9
140-149	1	1	2	1	0	0	0	140-149	14	13	29	14	0	0	0	0
150-159	4	0	1	1	0	0	0	150-159	63	0	23	17	0	0	0	14
160-169	0	1	1	0	0	0	0	160-169	0	29	27	0	0	0	0	0
170-179	0	2	0	0	0	0	0	170-179	0	74	0	0	0	0	0	0
180-189	1	1	1	0	0	0	0	180-189	38	48	48	0	0	0	0	47
190-199	0	0	0	1	0	0	0	190-199	0	0	0	111	0	0	0	0
200-305	5	0	0	0	0	0	0	200-305	278	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.036	0.003	0.024	0.031	******	******	******	0.022
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.010	0.013	0.018	0.023	*****	*****	*****	0.023
WOMEN AGED 55-59 AT EXAM															
TOTAL	15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
067-119	1	1	2	1	1	0	0	067-119	24	30	48	22	17	0	0	31
120-129	1	0	0	0	0	0	0	120-129	26	0	0	0	0	0	0	0
130-139	2	2	1	1	1	0	0	130-139	30	32	16	12	14	0	0	0
140-149	2	4	3	3	0	1	0	140-149	38	61	40	39	0	16	0	32
150-159	2	2	1	0	1	0	0	150-159	34	38	23	0	19	0	0	0
160-169	0	3	2	0	1	1	0	160-169	0	62	56	0	32	33	0	20
170-179	4	0	2	2	0	0	0	170-179	129	0	100	133	0	0	0	63
180-189	0	1	0	0	1	0	0	180-189	0	67	0	0	77	0	0	0
190-199	0	0	0	0	1	0	0	190-199	0	0	0	0	91	0	0	82
200-305	3	5	4	2	0	0	0	200-305	176	278	250	111	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.019	0.037	0.032	0.029	0.014	******	******	0.007
NO EXAM	0	0	1	1	0	0	0	STD.ERROR	0.010	0.010	0.010	0.013	0.015	*****	*****	0.013

TABLE 18-B-13

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: WEIGHT (POUNDS)

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 60-64 AT EXAM																
TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
067-119	1	2	0	0	0	1	0	067-119	91	74	0	0	0	26	0	23
120-129	0	0	1	1	0	0	0	120-129	0	0	29	34	0	0	0	0
130-139	0	1	0	1	2	2	1	130-139	0	29	0	17	38	28	14	42
140-149	0	0	0	1	1	0	0	140-149	0	0	0	16	14	0	0	0
150-159	0	0	4	4	1	0	1	150-159	0	0	91	69	19	0	20	52
160-169	1	4	1	0	0	1	0	160-169	200	190	33	0	0	34	0	0
170-179	1	0	0	0	0	1	2	170-179	143	0	0	0	0	53	95	78
180-189	0	0	1	0	0	0	0	180-189	0	0	167	0	0	0	0	65
190-199	0	1	0	0	0	0	0	190-199	0	100	0	0	0	0	0	116
200-305	0	1	2	3	3	1	0	200-305	0	143	167	231	214	91	0	205
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.003	0.013	0.034	0.032	0.056	0.011	0.027	0.038
NO EXAM	0	0	1	2	2	1	0	STD.ERROR	0.019	0.012	0.013	0.013	0.016	0.017	0.020	0.010
WOMEN AGED 65-69 AT EXAM																
TOTAL		0	1	3	6	3	2	TOTAL				24	24	9	6	47
067-119		0	1	1	0	0	0	067-119				56	0	0	0	72
120-129		0	0	0	0	1	0	120-129				0	0	28	0	45
130-139		0	0	0	2	0	0	130-139				0	59	0	0	62
140-149		0	0	0	1	1	0	140-149				0	29	24	0	35
150-159		0	0	0	0	0	1	150-159				0	0	0	26	39
160-169		0	0	1	1	0	0	160-169				100	50	0	0	0
170-179		0	0	0	0	0	0	170-179				0	0	0	0	0
180-189		0	0	0	0	0	0	180-189				0	0	0	0	0
190-199		0	0	0	0	0	0	190-199				0	0	0	0	0
200-305		0	0	0	1	1	1	200-305				0	167	100	143	333
UNKNOWN		0	0	0	0	0	0	SLOPE				******	0.018	0.027	******	0.004
NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	0.017	0.023	*****	0.013
WOMEN AGED 70-74 AT EXAM																
TOTAL				0	1	0		TOTAL						17	0	21
067-119				0	0	0		067-119						0	0	0
120-129				0	0	0		120-129						0	0	0
130-139				0	0	0		130-139						0	0	0
140-149				0	0	0		140-149						0	0	0
150-159				0	0	0		150-159						0	0	0
160-169				0	1	0		160-169						143	0	179
170-179				0	0	0		170-179						0	0	0
180-189				0	0	0		180-189						0	0	0
190-199				0	0	0		190-199						0	0	0
200-305				0	0	0		200-305						0	0	0
UNKNOWN				0	0	0		SLOPE						******	******	******
NO EXAM				0	0	0		STD.ERROR						*****	*****	*****

TABLE 18-B-14

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: ABNORMAL ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 29-34 AT EXAM																
TOTAL	3	2	0					TOTAL	8	11	0					8
NO	2	2	0					NO	5	14	0					0
POSSIBLE	0	0	0					POSSIBLE	0	0	0					0
DEFINITE	1	0	0					DEFINITE	125	0	****					357
UNKNOWN	0	0	0					SLOPE	4.842	******	******					******
NO EXAM	0	0	0					STD.ERROR	1.672	*****	*****					*****
MEN AGED 35-39 AT EXAM																
TOTAL	3	0	2	1	1	0		TOTAL	7	0	5	4	10			6
NO	0	0	2	1	0	0		NO	0	0	6	5	0			4
POSSIBLE	2	0	0	0	0	0		POSSIBLE	65	0	0	0	0			34
DEFINITE	1	0	0	0	1	0		DEFINITE	56	0	0	0	167			0
UNKNOWN	0	0	0	0	0	0		SLOPE	5.921	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	1.292	*****	*****	*****	*****			*****
MEN AGED 40-44 AT EXAM																
TOTAL	8	6	4	1	0	1	0	TOTAL	19	15	9	2	0	3	0	4
NO	7	1	0	0	0	0	0	NO	19	3	0	0	0	0	0	0
POSSIBLE	1	1	1	0	0	0	0	POSSIBLE	32	26	24	0	0	0	0	0
DEFINITE	0	2	1	0	0	1	0	DEFINITE	0	125	43	0	0	45	0	75
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.172	4.497	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.748	1.034	*****	*****	*****	*****	*****	*****
MEN AGED 45-49 AT EXAM																
TOTAL	9	8	8	6	5	1	0	TOTAL	25	20	20	15	12	2	0	9
NO	7	3	2	2	1	0	0	NO	23	9	7	7	3	0	0	0
POSSIBLE	1	3	2	2	0	0	0	POSSIBLE	30	79	59	57	0	0	0	0
DEFINITE	1	1	3	1	3	0	0	DEFINITE	53	62	143	31	100	0	0	105
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.517	2.277	3.372	1.345	3.781	******	******	5.348
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.654	0.787	0.723	0.724	0.868	*****	*****	0.873
MEN AGED 50-54 AT EXAM																
TOTAL	16	11	8	7	6	2	0	TOTAL	43	32	24	18	15	5	0	25
NO	5	7	4	5	3	1	0	NO	16	29	18	17	11	4	0	13
POSSIBLE	2	1	1	1	1	0	0	POSSIBLE	67	23	37	31	24	0	0	21
DEFINITE	9	3	3	1	2	1	0	DEFINITE	273	88	94	34	77	22	0	151
UNKNOWN	0	0	0	0	0	0	0	SLOPE	3.175	0.666	1.268	0.479	1.705	******	******	2.125
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.447	0.462	0.538	0.636	0.707	*****	*****	0.437

TABLE 18-B-14

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: ABNORMAL ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 55-59 AT EXAM																	
	TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
	NO	10	7	6	1	1	1	1	NO	47	32	28	5	5	5	4	17
	POSSIBLE	4	3	0	0	0	0	0	POSSIBLE	114	67	0	0	0	0	0	18
	DEFINITE	4	4	3	2	1	4	2	DEFINITE	133	129	100	56	30	114	45	188
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.786	1.031	0.698	1.964	******	2.682	1.848	1.930
	NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.368	0.416	0.511	0.831	*****	0.661	0.810	0.380
MEN AGED 60-64 AT EXAM																	
	TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
	NO	4	6	5	1	1	1	0	NO	78	59	34	6	6	5	0	20
	POSSIBLE	0	3	4	1	1	0	0	POSSIBLE	0	125	133	27	23	0	0	0
	DEFINITE	0	2	5	6	0	0	0	DEFINITE	0	69	122	113	0	0	0	93
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.770	0.183	0.838	1.707	******	******	******	0.977
	NO EXAM	0	0	1	1	0	1	0	STD.ERROR	0.665	0.394	0.352	0.450	*****	*****	*****	0.426
MEN AGED 65-69 AT EXAM																	
	TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
	NO		0	1	3	2	0	0	NO				51	20	0	0	0
	POSSIBLE		0	0	2	2	0	0	POSSIBLE				167	74	0	0	100
	DEFINITE		0	1	3	5	2	0	DEFINITE				158	135	47	0	191
	UNKNOWN		0	0	0	0	0	0	SLOPE				0.734	1.131	******	******	1.675
	NO EXAM		0	1	0	0	1	0	STD.ERROR				0.454	0.420	*****	*****	0.429
MEN AGED 70-74 AT EXAM																	
	TOTAL					1	1	0	TOTAL						20	0	60
	NO					1	1	0	NO						53	0	130
	POSSIBLE					0	0	0	POSSIBLE						0	0	0
	DEFINITE					0	0	0	DEFINITE						0	0	0
	UNKNOWN					0	0	0	SLOPE						******	******	******
	NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-14

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: ABNORMAL ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	
WOMEN AGED 29-34 AT EXAM															
TOTAL	0	0	0					0	0	0					0
NO	0	0	0					0	0	0					0
POSSIBLE	0	0	0					0	0	0					0
DEFINITE	0	0	0					0	0	****					0
UNKNOWN	0	0	0					******	******	******					******
NO EXAM	0	0	0					*****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM															
TOTAL	4	1	1	0	0	0		7	2	2	0	0			0
NO	3	1	1	0	0	0		6	2	2	0	0			0
POSSIBLE	1	0	0	0	0	0		29	0	0	0	0			0
DEFINITE	0	0	0	0	0	0		0	0	0	0	0			0
UNKNOWN	0	0	0	0	0	0		0.924	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		1.292	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM															
TOTAL	3	4	4	3	1	0	0	6	7	7	5	2	0	0	6
NO	2	2	4	2	1	0	0	4	4	9	4	2	0	0	5
POSSIBLE	0	1	0	1	0	0	0	0	24	0	30	0	0	0	25
DEFINITE	1	0	0	0	0	0	0	77	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	3.782	1.128	-0.832	1.338	******	******	******	0.797
NO EXAM	0	1	0	0	0	0	0	1.505	1.387	1.564	1.441	*****	*****	*****	1.239
WOMEN AGED 45-49 AT EXAM															
TOTAL	5	4	1	1	1	1	0	11	9	2	2	2	2	0	3
NO	2	2	0	0	0	0	0	5	6	0	0	0	0	0	2
POSSIBLE	2	0	0	0	1	0	0	62	0	0	0	34	0	0	0
DEFINITE	1	2	1	1	0	1	0	53	91	59	62	0	48	0	36
UNKNOWN	0	0	0	0	0	0	0	3.065	3.060	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	0.976	0.982	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM															
TOTAL	15	8	6	3	1	1	0	35	18	14	7	2	2	0	5
NO	8	5	4	1	0	0	0	23	15	13	3	0	0	0	4
POSSIBLE	2	1	0	0	0	0	0	38	20	0	0	0	0	0	0
DEFINITE	5	2	1	2	1	1	0	185	57	38	74	53	37	0	27
UNKNOWN	0	0	0	0	0	0	0	1.869	0.925	0.545	3.804	******	******	******	1.455
NO EXAM	0	0	1	0	0	0	0	0.476	0.586	0.801	1.066	*****	*****	*****	1.051

TABLE 18-B-14

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: ABNORMAL ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	
WOMEN AGED 55-59 AT EXAM																
TOTAL	15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
NO	7	7	7	7	3	0	0	NO	24	26	26	22	9	0	0	7
POSSIBLE	3	5	2	0	0	1	0	POSSIBLE	65	82	44	0	0	33	0	18
DEFINITE	5	6	6	2	3	1	0	DEFINITE	172	146	143	56	59	42	0	100
UNKNOWN	0	0	0	0	0	0	0	SLOPE	1.769	1.341	1.329	0.438	1.480	******	******	2.357
NO EXAM	0	0	1	1	0	0	0	STD.ERROR	0.448	0.364	0.393	0.540	0.599	*****	*****	0.531
WOMEN AGED 60-64 AT EXAM																
TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
NO	2	4	6	2	4	1	1	NO	38	30	28	8	17	4	4	21
POSSIBLE	0	2	0	3	3	0	0	POSSIBLE	0	57	0	73	70	0	0	0
DEFINITE	1	3	3	5	0	5	3	DEFINITE	333	136	91	96	0	100	56	152
UNKNOWN	0	0	0	0	0	0	0	SLOPE	1.587	1.069	0.718	1.644	-0.006	2.546	2.131	1.457
NO EXAM	0	0	1	2	2	1	0	STD.ERROR	1.121	0.500	0.496	0.437	0.515	0.578	0.695	0.374
WOMEN AGED 65-69 AT EXAM																
TOTAL		0	1	3	6	3	2	TOTAL				24	24	9	6	47
NO		0	0	0	2	0	0	NO				0	12	0	0	8
POSSIBLE		0	0	0	1	2	1	POSSIBLE				0	37	51	25	164
DEFINITE		0	1	2	2	1	1	DEFINITE				125	77	25	19	145
UNKNOWN		0	0	0	0	0	0	SLOPE				******	1.364	1.756	******	1.680
NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	0.658	0.802	*****	0.456
WOMEN AGED 70-74 AT EXAM																
TOTAL					0	1	0	TOTAL						17	0	21
NO					0	0	0	NO						0	0	0
POSSIBLE					0	0	0	POSSIBLE						0	0	0
DEFINITE					0	1	0	DEFINITE						111	0	139
UNKNOWN					0	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-15

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: LEFT VENTRICULAR HYPERTROPHY BY ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	
MEN AGED 29-34 AT EXAM																
TOTAL	3	2	0					TOTAL	8	11	0					8
NO	2	2	0					NO	5	12	0					0
POSSIBLE	0	0	0					POSSIBLE	0	0	0					0
DEFINITE	1	0	0					DEFINITE	1000	****	****					5000
UNKNOWN	0	0	0					SLOPE	33.540	******	******					******
NO EXAM	0	0	0					STD.ERROR	4.151	*****	*****					*****
MEN AGED 35-39 AT EXAM																
TOTAL	3	0	2	1	1	0		TOTAL	7	0	5	4	10			6
NO	1	0	2	1	1	0		NO	2	0	5	4	12			6
POSSIBLE	1	0	0	0	0	0		POSSIBLE	125	0	0	0	0			0
DEFINITE	1	0	0	0	0	0		DEFINITE	250	0	****	****	****			0
UNKNOWN	0	0	0	0	0	0		SLOPE	20.759	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	2.679	*****	*****	*****	*****			*****
MEN AGED 40-44 AT EXAM																
TOTAL	8	6	4	1	0	1	0	TOTAL	19	15	9	2	0	3	0	4
NO	8	3	2	0	0	0	0	NO	20	9	5	0	0	0	0	0
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	0	0	0	0	0	0	0
DEFINITE	0	1	0	0	0	1	0	DEFINITE	0	333	0	0	0	500	0	556
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.671	8.473	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	1.402	2.150	*****	*****	*****	*****	*****	*****
MEN AGED 45-49 AT EXAM																
TOTAL	9	8	8	6	5	1	0	TOTAL	25	20	20	15	12	2	0	9
NO	8	6	5	5	3	0	0	NO	23	17	15	15	9	0	0	4
POSSIBLE	1	0	0	0	0	0	0	POSSIBLE	100	0	0	0	0	0	0	0
DEFINITE	0	1	2	0	1	0	0	DEFINITE	0	125	500	0	333	0	0	333
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.552	2.432	11.332	-0.727	8.548	******	******	15.287
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	1.114	1.231	1.732	1.896	2.159	*****	*****	1.998
MEN AGED 50-54 AT EXAM																
TOTAL	16	11	8	7	6	2	0	TOTAL	43	32	24	18	15	5	0	25
NO	11	9	6	6	5	2	0	NO	31	30	23	18	15	6	0	22
POSSIBLE	1	0	2	0	0	0	0	POSSIBLE	125	0	250	0	0	0	0	93
DEFINITE	4	2	0	1	1	0	0	DEFINITE	444	182	0	200	250	0	0	244
UNKNOWN	0	0	0	0	0	0	0	SLOPE	4.995	1.722	1.670	2.949	4.724	******	******	3.683
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.796	0.772	1.083	1.351	1.646	*****	*****	0.931

TABLE 18-B-15

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: LEFT VENTRICULAR HYPERTROPHY BY ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 55-59 AT EXAM																
TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
NO	13	11	8	2	2	4	3	NO	52	40	29	7	7	15	10	26
POSSIBLE	2	1	0	0	0	0	0	POSSIBLE	200	91	0	0	0	0	0	76
DEFINITE	3	2	1	1	0	1	0	DEFINITE	200	222	250	167	0	200	0	417
UNKNOWN	0	0	0	0	0	0	0	SLOPE	1.405	1.861	2.047	6.102	******	3.514	-0.678	4.367
NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.511	0.716	1.179	1.838	*****	1.450	1.690	0.749
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
NO	4	10	12	5	2	1	0	NO	66	75	61	22	9	4	0	30
POSSIBLE	0	1	2	1	0	0	0	POSSIBLE	0	77	200	83	0	0	0	71
DEFINITE	0	0	0	2	0	0	0	DEFINITE	0	0	0	167	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.696	-0.421	-0.021	2.329	******	******	******	-0.058
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	1.000	0.592	0.577	0.778	*****	*****	*****	0.786
MEN AGED 65-69 AT EXAM																
TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
NO		0	2	7	7	2	0	NO				85	48	12	0	48
POSSIBLE		0	0	0	1	0	0	POSSIBLE				0	125	0	0	227
DEFINITE		0	0	1	1	0	0	DEFINITE				200	125	0	0	161
UNKNOWN		0	0	0	0	0	0	SLOPE				0.485	0.878	******	******	1.269
NO EXAM		0	1	0	0	1	0	STD.ERROR				0.758	0.724	*****	*****	0.795
MEN AGED 70-74 AT EXAM																
TOTAL					1	1	0	TOTAL						20	0	60
NO					1	1	0	NO						32	0	85
POSSIBLE					0	0	0	POSSIBLE						0	0	0
DEFINITE					0	0	0	DEFINITE						0	0	0
UNKNOWN					0	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-15

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: LEFT VENTRICULAR HYPERTROPHY BY ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 29-34 AT EXAM																
TOTAL	0	0	0					TOTAL	0	0	0					0
NO	0	0	0					NO	0	0	0					0
POSSIBLE	0	0	0					POSSIBLE	0	0	****					0
DEFINITE	0	0	0					DEFINITE	0	0	****					0
UNKNOWN	0	0	0					SLOPE	******	******	******					******
NO EXAM	0	0	0					STD.ERROR	*****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM																
TOTAL	4	1	1	0	0	0		TOTAL	7	2	2	0	0			0
NO	4	1	1	0	0	0		NO	7	2	2	0	0			0
POSSIBLE	0	0	0	0	0	0		POSSIBLE	0	0	0	0	0			0
DEFINITE	0	0	0	0	0	0		DEFINITE	0	****	0	****	****			0
UNKNOWN	0	0	0	0	0	0		SLOPE	-0.672	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	4.949	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM																
TOTAL	3	4	4	3	1	0	0	TOTAL	6	7	7	5	2	0	0	6
NO	3	3	4	3	1	0	0	NO	6	6	8	6	2	0	0	6
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	0	0	0	0	0	0	0
DEFINITE	0	0	0	0	0	0	0	DEFINITE	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.702	-0.588	-0.605	-0.758	******	******	******	-0.645
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	3.635	3.007	4.929	4.728	*****	*****	*****	3.307
WOMEN AGED 45-49 AT EXAM																
TOTAL	5	4	1	1	1	1	0	TOTAL	11	9	2	2	2	2	0	3
NO	5	4	1	1	1	1	0	NO	11	10	2	2	2	2	0	3
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	0	0	0	0	0	0	0
DEFINITE	0	0	0	0	0	0	0	DEFINITE	0	0	0	0	0	****	****	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.611	-0.895	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	2.470	2.710	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM																
TOTAL	15	8	6	3	1	1	0	TOTAL	35	18	14	7	2	2	0	5
NO	12	6	5	3	1	1	0	NO	30	15	13	8	2	2	0	5
POSSIBLE	1	2	0	0	0	0	0	POSSIBLE	91	111	0	0	0	0	0	0
DEFINITE	2	0	0	0	0	0	0	DEFINITE	200	0	0	****	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	2.408	1.922	-0.594	-1.020	******	******	******	-0.680
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.785	1.160	2.020	4.436	*****	*****	*****	2.472

TABLE 18-B-15

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: LEFT VENTRICULAR HYPERTROPHY BY ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 55-59 AT EXAM															
TOTAL	15	18	16	10	6	2	0	TOTAL 40	45	39	24	14	5	0	15
NO	11	11	11	7	3	1	0	NO 31	33	33	19	8	3	0	12
POSSIBLE	1	3	2	1	1	1	0	POSSIBLE 143	130	154	125	125	125	0	137
DEFINITE	3	4	2	1	2	0	0	DEFINITE 333	222	200	91	250	****	0	85
UNKNOWN	0	0	0	0	0	0	0	SLOPE 3.955	2.173	2.376	2.022	8.716	******	******	3.354
NO EXAM	0	0	1	1	0	0	0	STD.ERROR 0.813	0.516	0.717	0.939	1.372	*****	*****	1.001
WOMEN AGED 60-64 AT EXAM															
TOTAL	3	9	10	12	9	7	4	TOTAL 46	43	31	31	24	18	10	37
NO	3	7	7	6	7	4	1	NO 48	40	28	20	23	13	3	20
POSSIBLE	0	1	1	1	0	0	2	POSSIBLE 0	91	67	40	0	0	105	105
DEFINITE	0	1	1	3	0	2	1	DEFINITE 0	333	200	273	0	200	200	510
UNKNOWN	0	0	0	0	0	0	0	SLOPE -0.628	2.316	2.096	3.202	-0.636	4.099	10.184	5.474
NO EXAM	0	0	1	2	2	1	0	STD.ERROR 2.130	1.026	0.982	0.758	0.878	1.095	1.663	0.719
WOMEN AGED 65-69 AT EXAM															
TOTAL		0	1	3	6	3	2	TOTAL			24	24	9	6	47
NO		0	1	1	5	3	1	NO			10	26	12	4	42
POSSIBLE		0	0	0	0	0	0	POSSIBLE			0	0	0	0	0
DEFINITE		0	0	1	0	0	1	DEFINITE			333	0	0	67	294
UNKNOWN		0	0	0	0	0	0	SLOPE			******	-0.766	-0.668	******	1.770
NO EXAM		0	0	1	1	0	0	STD.ERROR			*****	1.191	1.337	*****	0.784
WOMEN AGED 70-74 AT EXAM															
TOTAL					0	1	0	TOTAL					17	0	21
NO					0	1	0	NO					23	0	27
POSSIBLE					0	0	0	POSSIBLE					0	0	0
DEFINITE					0	0	0	DEFINITE					****	0	0
UNKNOWN					0	0	0	SLOPE					******	******	******
NO EXAM					0	0	0	STD.ERROR					*****	*****	*****

TABLE 18-B-16

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: NONSPECIFIC T-WAVE ABNORMALITY BY ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	
MEN AGED 29-34 AT EXAM																
TOTAL	3	2	0					TOTAL	8	11	0					8
NO	3	2	0					NO	8	12	0					9
POSSIBLE	0	0	0					POSSIBLE	****	0	0					0
DEFINITE	0	0	0					DEFINITE	0	0	****					0
UNKNOWN	0	0	0					SLOPE	-0.506	******	******					******
NO EXAM	0	0	0					STD.ERROR	2.876	*****	*****					*****
MEN AGED 35-39 AT EXAM																
TOTAL	3	0	2	1	1	0		TOTAL	7	0	5	4	10			6
NO	3	0	2	1	0	0		NO	7	0	5	4	0			6
POSSIBLE	0	0	0	0	0	0		POSSIBLE	****	0	0	0	0			0
DEFINITE	0	0	0	0	1	0		DEFINITE	0	0	0	0	333			0
UNKNOWN	0	0	0	0	0	0		SLOPE	-0.516	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	1.713	*****	*****	*****	*****			*****
MEN AGED 40-44 AT EXAM																
TOTAL	8	6	4	1	0	1	0	TOTAL	19	15	9	2	0	3	0	4
NO	8	3	1	0	0	1	0	NO	19	9	3	0	0	3	0	4
POSSIBLE	0	0	1	0	0	0	0	POSSIBLE	****	0	56	0	0	0	0	0
DEFINITE	0	1	0	0	0	0	0	DEFINITE	0	143	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.516	4.528	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	1.394	1.611	*****	*****	*****	*****	*****	*****
MEN AGED 45-49 AT EXAM																
TOTAL	9	8	8	6	5	1	0	TOTAL	25	20	20	15	12	2	0	9
NO	8	7	6	4	4	0	0	NO	23	20	19	13	12	0	0	8
POSSIBLE	0	0	1	1	0	0	0	POSSIBLE	****	0	71	77	0	0	0	0
DEFINITE	1	0	0	0	0	0	0	DEFINITE	125	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	2.085	-0.683	0.301	0.193	-0.617	******	******	-0.631
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	1.143	1.282	0.991	0.907	1.114	*****	*****	1.201
MEN AGED 50-54 AT EXAM																
TOTAL	16	11	8	7	6	2	0	TOTAL	43	32	24	18	15	5	0	25
NO	13	10	6	7	5	2	0	NO	37	34	24	22	16	6	0	23
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	****	0	0	0	0	0	0	0
DEFINITE	3	1	2	0	1	0	0	DEFINITE	167	71	133	0	71	0	0	120
UNKNOWN	0	0	0	0	0	0	0	SLOPE	1.600	0.291	1.534	-0.646	1.115	******	******	1.426
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.600	0.688	0.741	0.863	0.945	*****	*****	0.584

TABLE 18-B-16

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: NONSPECIFIC T-WAVE ABNORMALITY BY ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 55-59 AT EXAM																
TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
NO	18	13	8	2	1	3	2	NO	67	46	31	8	4	12	7	33
POSSIBLE	0	1	0	0	0	0	0	POSSIBLE	****	143	0	0	0	0	0	0
DEFINITE	0	0	1	1	1	2	1	DEFINITE	0	0	71	56	62	143	56	158
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.544	-0.097	0.265	1.714	******	3.008	2.054	1.246
NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.833	0.735	0.700	1.094	*****	0.960	1.164	0.562
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
NO	4	11	11	7	2	1	0	NO	62	79	59	32	9	4	0	31
POSSIBLE	0	0	1	0	0	0	0	POSSIBLE	****	0	77	0	0	0	0	0
DEFINITE	0	0	2	1	0	0	0	DEFINITE	0	0	125	48	0	0	0	42
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.558	-0.653	0.511	0.091	******	******	******	0.036
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	0.981	0.584	0.494	0.614	*****	*****	*****	0.584
MEN AGED 65-69 AT EXAM																
TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
NO		0	2	7	8	2	0	NO				91	58	12	0	60
POSSIBLE		0	0	1	0	0	0	POSSIBLE				200	0	0	0	0
DEFINITE		0	0	0	1	0	0	DEFINITE				0	59	0	0	88
UNKNOWN		0	0	0	0	0	0	SLOPE				-0.327	-0.093	******	******	0.071
NO EXAM		0	1	0	0	1	0	STD.ERROR				0.614	0.539	*****	*****	0.606
MEN AGED 70-74 AT EXAM																
TOTAL					1	1	0	TOTAL						20	0	60
NO					1	1	0	NO						38	0	97
POSSIBLE					0	0	0	POSSIBLE						0	0	0
DEFINITE					0	0	0	DEFINITE						0	0	0
UNKNOWN					0	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-16

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: NONSPECIFIC T-WAVE ABNORMALITY BY ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 29-34 AT EXAM																
TOTAL	0	0	0					TOTAL	0	0	0					0
NO	0	0	0					NO	0	0	0					0
POSSIBLE	0	0	0					POSSIBLE	****	0	0					0
DEFINITE	0	0	0					DEFINITE	0	0	****					0
UNKNOWN	0	0	0					SLOPE	******	******	******					******
NO EXAM	0	0	0					STD.ERROR	*****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM																
TOTAL	4	1	1	0	0	0		TOTAL	7	2	2	0	0			0
NO	4	1	1	0	0	0		NO	7	2	2	0	0			0
POSSIBLE	0	0	0	0	0	0		POSSIBLE	****	0	0	0	0			0
DEFINITE	0	0	0	0	0	0		DEFINITE	0	0	0	0	0			0
UNKNOWN	0	0	0	0	0	0		SLOPE	-0.511	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	1.929	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM																
TOTAL	3	4	4	3	1	0	0	TOTAL	6	7	7	5	2	0	0	6
NO	3	3	4	3	1	0	0	NO	6	6	9	6	2	0	0	7
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	****	0	0	0	0	0	0	0
DEFINITE	0	0	0	0	0	0	0	DEFINITE	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.509	-0.730	-0.724	-0.616	******	******	******	-0.627
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	2.321	1.853	1.948	1.846	*****	*****	*****	1.633
WOMEN AGED 45-49 AT EXAM																
TOTAL	5	4	1	1	1	1	0	TOTAL	11	9	2	2	2	2	0	3
NO	5	4	1	1	1	1	0	NO	11	10	2	2	2	2	0	3
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	****	0	0	0	0	0	0	0
DEFINITE	0	0	0	0	0	0	0	DEFINITE	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.514	-0.656	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	1.601	1.161	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM																
TOTAL	15	8	6	3	1	1	0	TOTAL	35	18	14	7	2	2	0	5
NO	12	6	5	2	1	1	0	NO	29	16	14	5	3	2	0	5
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	****	0	0	0	0	0	0	0
DEFINITE	3	2	0	1	0	0	0	DEFINITE	250	105	0	50	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	3.379	1.829	-0.674	2.331	******	******	******	-0.657
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.809	0.790	1.030	1.224	*****	*****	*****	1.379

TABLE 18-B-16

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: NONSPECIFIC T-WAVE ABNORMALITY BY ELECTROCARDIOGRAM

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 55-59 AT EXAM																	
	TOTAL	15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
	NO	15	16	10	8	5	2	0	NO	42	47	32	23	14	6	0	17
	POSSIBLE	0	1	1	0	0	0	0	POSSIBLE	****	53	42	0	0	0	0	0
	DEFINITE	0	1	4	1	1	0	0	DEFINITE	0	59	174	67	36	0	0	41
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.538	0.125	1.518	0.484	0.572	******	******	0.421
	NO EXAM	0	0	1	1	0	0	0	STD.ERROR	0.715	0.523	0.500	0.768	0.768	*****	*****	0.729
WOMEN AGED 60-64 AT EXAM																	
	TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
	NO	3	9	9	8	7	4	2	NO	47	56	38	28	24	13	6	36
	POSSIBLE	0	0	0	1	0	0	0	POSSIBLE	****	0	0	53	0	0	0	0
	DEFINITE	0	0	0	1	0	2	2	DEFINITE	0	0	0	32	0	77	71	69
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.516	-0.721	-0.691	0.152	-0.679	1.547	2.634	0.251
	NO EXAM	0	0	1	2	2	1	0	STD.ERROR	2.365	0.590	0.605	0.525	0.687	0.741	0.907	0.476
WOMEN AGED 65-69 AT EXAM																	
	TOTAL		0	1	3	6	3	2	TOTAL				24	24	9	6	47
	NO		0	1	2	5	2	0	NO				23	27	8	0	39
	POSSIBLE		0	0	0	0	1	1	POSSIBLE				0	0	62	42	159
	DEFINITE		0	0	0	0	0	1	DEFINITE				0	0	0	33	64
	UNKNOWN		0	0	0	0	0	0	SLOPE				******	-0.688	0.534	******	0.588
	NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	0.798	1.096	*****	0.564
WOMEN AGED 70-74 AT EXAM																	
	TOTAL				0	1	0		TOTAL						17	0	21
	NO				0	1	0		NO						29	0	31
	POSSIBLE				0	0	0		POSSIBLE						0	0	0
	DEFINITE				0	0	0		DEFINITE						0	0	0
	UNKNOWN				0	0	0		SLOPE						******	******	******
	NO EXAM				0	0	0		STD.ERROR						*****	*****	*****

TABLE 18-B-17

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE — CHARACTERISTIC: SMOKING NOW

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 29-34 AT EXAM																	
	TOTAL	3	2	0					TOTAL	8	11	0					8
	NO	0	0	0					NO	0	****	****					0
	YES	3	0	0					YES	10	****	****					11
	UNKNOWN	0	2	0					SLOPE	1.295	******	******					******
	NO EXAM	0	0	0					STD.ERROR	1.388	*****	*****					*****
MEN AGED 35-39 AT EXAM																	
	TOTAL	3	0	2	1	1	0		TOTAL	7	0	5	4	10			6
	NO	1	0	0	0	1	0		NO	14	****	****	0	34			14
	YES	2	0	0	1	0	0		YES	5	****	****	6	0			4
	UNKNOWN	0	0	2	0	0	0		SLOPE	-1.250	******	******	******	******			******
	NO EXAM	0	0	0	0	0	0		STD.ERROR	1.565	*****	*****	*****	*****			*****
MEN AGED 40-44 AT EXAM																	
	TOTAL	8	6	4	1	0	1	0	TOTAL	19	15	9	2	0	3	0	4
	NO	1	0	0	0	0	0	0	NO	12	****	****	0	0	****	0	9
	YES	7	0	0	0	0	0	0	YES	21	****	****	0	0	****	0	2
	UNKNOWN	0	4	2	0	0	1	0	SLOPE	0.485	******	******	******	******	******	******	******
	NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.887	*****	*****	*****	*****	*****	*****	*****
MEN AGED 45-49 AT EXAM																	
	TOTAL	9	8	8	6	5	1	0	TOTAL	25	20	20	15	12	2	0	9
	NO	1	0	0	1	1	0	0	NO	14	****	****	12	11	****	0	0
	YES	7	0	0	4	3	0	0	YES	25	****	****	16	11	****	0	10
	UNKNOWN	1	7	7	0	0	0	0	SLOPE	0.467	******	******	0.303	0.026	******	******	1.297
	NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.896	*****	*****	1.028	1.151	*****	*****	1.192
MEN AGED 50-54 AT EXAM																	
	TOTAL	16	11	8	7	6	2	0	TOTAL	43	32	24	18	15	5	0	25
	NO	1	0	0	1	1	0	0	NO	10	****	****	10	9	****	0	39
	YES	15	0	0	6	5	0	0	YES	55	****	****	25	21	****	0	23
	UNKNOWN	0	11	8	0	0	2	0	SLOPE	1.082	******	******	0.737	0.678	******	******	-0.598
	NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.583	*****	*****	0.838	0.889	*****	*****	0.628

TABLE 18-B-17

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: SMOKING NOW

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	
MEN AGED 55-59 AT EXAM																
TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
NO	5	0	0	1	1	0	1	NO	65	****	****	11	11	****	9	24
YES	13	0	0	2	1	0	2	YES	66	****	****	11	5	****	10	45
UNKNOWN	0	14	9	0	0	5	0	SLOPE	0.017	******	******	-0.068	******	******	0.038	0.562
NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.541	*****	*****	1.241	*****	*****	1.219	0.545
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
NO	0	0	0	4	0	0	0	NO	0	****	****	40	0	****	0	28
YES	4	0	0	4	2	0	0	YES	82	****	****	28	13	****	0	36
UNKNOWN	0	11	14	0	0	1	0	SLOPE	1.467	******	******	-0.386	******	******	******	0.238
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	1.146	*****	*****	0.729	*****	*****	*****	0.663
MEN AGED 65-69 AT EXAM																
TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
NO		0	0	2	3	0	0	NO				67	47	****	0	36
YES		0	0	6	6	0	0	YES				102	61	****	0	85
UNKNOWN		0	2	0	0	2	0	SLOPE				0.420	0.260	******	******	0.755
NO EXAM		0	1	0	0	1	0	STD.ERROR				0.776	0.698	*****	*****	0.684
MEN AGED 70-74 AT EXAM																
TOTAL					1	1	0	TOTAL						20	0	60
NO					0	0	0	NO						****	0	86
YES					1	0	0	YES						****	0	74
UNKNOWN					0	1	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-17

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE CHARACTERISTIC: SMOKING NOW

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	
WOMEN AGED 29-34 AT EXAM															
TOTAL	0	0	0					0	0	0					0
NO	0	0	0					0	****	****					0
YES	0	0	0					0	****	****					0
UNKNOWN	0	0	0					SLOPE	******	******	******				******
NO EXAM	0	0	0					STD.ERROR	*****	*****	*****				*****
WOMEN AGED 35-39 AT EXAM															
TOTAL	4	1	1	0	0	0		7	2	2	0	0			0
NO	1	0	0	0	0	0		4	****	****	0	0			0
YES	3	0	0	0	0	0		9	****	****	0	0			0
UNKNOWN	0	1	1	0	0	0		SLOPE	0.815	******	******	******	******		******
NO EXAM	0	0	0	0	0	0		STD.ERROR	1.007	*****	*****	*****	*****		*****
WOMEN AGED 40-44 AT EXAM															
TOTAL	3	4	4	3	1	0	0	6	7	7	5	2	0	0	6
NO	1	0	0	1	1	0	0	4	****	****	4	5	****	0	3
YES	2	0	0	2	0	0	0	8	****	****	7	0	****	0	9
UNKNOWN	0	3	4	0	0	0	0	SLOPE	0.799	******	******	0.501	******	******	******	0.895
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	1.159	*****	*****	1.160	*****	*****	*****	1.002
WOMEN AGED 45-49 AT EXAM															
TOTAL	5	4	1	1	1	1	0	11	9	2	2	2	2	0	3
NO	3	0	0	1	1	0	0	10	****	****	4	4	****	0	3
YES	2	0	0	0	0	0	0	14	****	****	0	0	****	0	3
UNKNOWN	0	4	1	0	0	1	0	SLOPE	0.431	******	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.972	*****	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM															
TOTAL	15	8	6	3	1	1	0	35	18	14	7	2	2	0	5
NO	10	0	0	2	1	0	0	35	****	****	7	4	****	0	5
YES	5	0	0	1	0	0	0	37	****	****	8	0	****	0	5
UNKNOWN	0	8	5	0	0	1	0	SLOPE	0.060	******	******	0.080	******	******	******	-0.132
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.562	*****	*****	1.243	*****	*****	*****	1.200

TABLE 18-B-17

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE CHARACTERISTIC: SMOKING NOW

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 55-59 AT EXAM																
TOTAL	15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
NO	12	0	0	5	3	0	0	NO	41	****	****	18	11	****	0	15
YES	3	0	0	3	3	0	0	YES	39	****	****	28	28	****	0	20
UNKNOWN	0	18	15	1	0	2	0	SLOPE	-0.054	******	******	0.481	1.148	******	******	0.293
NO EXAM	0	0	1	1	0	0	0	STD.ERROR	0.647	*****	*****	0.794	0.921	*****	*****	0.747
WOMEN AGED 60-64 AT EXAM																
TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
NO	2	0	0	8	5	0	2	NO	36	****	****	31	21	****	7	30
YES	1	0	0	1	2	0	2	YES	100	****	****	15	22	****	22	44
UNKNOWN	0	9	9	1	0	6	0	SLOPE	1.418	******	******	-0.589	0.051	******	1.303	0.415
NO EXAM	0	0	1	2	2	1	0	STD.ERROR	1.623	*****	*****	0.836	0.852	*****	1.153	0.657
WOMEN AGED 65-69 AT EXAM																
TOTAL		0	1	3	6	3	2	TOTAL				24	24	9	6	47
NO		0	0	2	5	0	2	NO				22	29	****	9	54
YES		0	0	0	0	0	0	YES				0	0	****	0	26
UNKNOWN		0	1	0	0	3	0	SLOPE				******	-1.250	******	******	-0.578
NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	1.166	*****	*****	0.830
WOMEN AGED 70-74 AT EXAM																
TOTAL					0	1	0	TOTAL						17	0	21
NO					0	0	0	NO						****	0	29
YES					0	0	0	YES						****	0	0
UNKNOWN					0	1	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-18

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE CHARACTERISTIC: URINE ALBUMIN

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 29-34 AT EXAM															
TOTAL	3	2	0					8	11	0					8
NO	1	1	0					3	6	0					0
POSSIBLE	0	0	0					****	****	****					*****
DEFINITE	2	1	0					182	1000	****					417
UNKNOWN	0	0	0					12.853	******	******					******
NO EXAM	0	0	0					1.833	*****	*****					*****
MEN AGED 35-39 AT EXAM															
TOTAL	3	0	2	1	1	0		7	0	5	4	10			6
NO	2	0	2	0	1	0		5	0	5	****	12			3
POSSIBLE	0	0	0	0	0	0		0	****	0	****	0			0
DEFINITE	1	0	0	0	0	0		125	0	0	****	0			313
UNKNOWN	0	0	0	1	0	0		8.743	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		2.155	*****	*****	*****	*****			*****
MEN AGED 40-44 AT EXAM															
TOTAL	8	6	4	1	0	1	0	19	15	9	2	0	3	0	4
NO	7	3	2	0	0	1	0	18	9	5	****	0	3	0	2
POSSIBLE	0	0	0	0	0	0	0	0	****	0	****	****	0	****	0
DEFINITE	0	0	0	0	0	0	0	0	0	0	****	0	0	0	0
UNKNOWN	1	1	0	0	0	0	0	-0.534	-0.507	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	1.080	2.735	*****	*****	*****	*****	*****	*****
MEN AGED 45-49 AT EXAM															
TOTAL	9	8	8	6	5	1	0	25	20	20	15	12	2	0	9
NO	9	6	7	0	4	0	0	26	16	21	****	11	0	0	8
POSSIBLE	0	0	0	0	0	0	0	0	****	****	****	0	0	****	0
DEFINITE	0	1	0	0	0	0	0	0	500	0	****	0	0	0	0
UNKNOWN	0	0	0	5	0	0	0	-0.540	13.825	-0.511	******	-0.593	******	******	-0.542
NO EXAM	0	1	1	1	1	1	0	0.962	2.681	2.490	*****	2.202	*****	*****	2.193
MEN AGED 50-54 AT EXAM															
TOTAL	16	11	8	7	6	2	0	43	32	24	18	15	5	0	25
NO	15	10	7	0	4	2	0	42	32	26	****	12	6	0	27
POSSIBLE	0	0	0	0	0	0	0	****	****	****	****	0	0	0	0
DEFINITE	1	1	0	0	1	0	0	83	333	0	****	111	0	0	0
UNKNOWN	0	0	1	7	1	0	0	0.485	4.557	-0.519	******	3.199	******	******	-0.538
NO EXAM	0	0	0	0	0	0	0	0.715	1.595	1.430	*****	1.373	*****	*****	0.998

TABLE 18-B-18

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: URINE ALBUMIN

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 55-59 AT EXAM																
TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
NO	16	13	7	0	2	4	2	NO	62	45	25	****	8	16	7	29
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	0	0	****	0	0	****	0
DEFINITE	1	1	2	0	0	1	1	DEFINITE	91	200	250	****	0	111	71	299
UNKNOWN	1	0	0	3	0	0	0	SLOPE	0.219	1.583	3.577	******	******	2.287	3.355	3.335
NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.626	1.035	1.020	*****	*****	1.199	1.395	0.698
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
NO	4	11	13	0	1	1	0	NO	62	76	64	****	4	4	0	30
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	****	****	0	****	0	0	0	0
DEFINITE	0	0	1	0	1	0	0	DEFINITE	0	0	111	****	200	0	0	78
UNKNOWN	0	0	0	8	0	0	0	SLOPE	-0.542	-0.564	0.245	******	******	******	******	0.671
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	1.230	0.698	0.657	*****	*****	*****	*****	0.786
MEN AGED 65-69 AT EXAM																
TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
NO		0	2	0	7	1	0	NO				****	48	6	0	41
POSSIBLE		0	0	0	2	1	0	POSSIBLE				****	500	250	****	1500
DEFINITE		0	0	0	0	0	0	DEFINITE				****	0	0	0	0
UNKNOWN		0	0	8	0	0	0	SLOPE				******	0.234	******	******	1.191
NO EXAM		0	1	0	0	1	0	STD.ERROR				*****	0.654	*****	*****	0.768
MEN AGED 70-74 AT EXAM																
TOTAL					1	1	0	TOTAL						20	0	60
NO					0	1	0	NO						36	0	46
POSSIBLE					0	0	0	POSSIBLE						0	****	0
DEFINITE					1	0	0	DEFINITE						0	0	455
UNKNOWN					0	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-8-18

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: URINE ALBUMIN

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	
WOMEN AGED 29-34 AT EXAM																
TOTAL	0	0	0					TOTAL	0	0	0					0
NO	0	0	0					NO	0	0	0					0
POSSIBLE	0	0	0					POSSIBLE	0	****	****					0
DEFINITE	0	0	0					DEFINITE	0	0	****					0
UNKNOWN	0	0	0					SLOPE	******	******	******					******
NO EXAM	0	0	0					STD.ERROR	*****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM																
TOTAL	4	1	1	0	0	0		TOTAL	7	2	2	0	0			0
NO	4	1	1	0	0	0		NO	8	2	2	****	0			0
POSSIBLE	0	0	0	0	0	0		POSSIBLE	0	0	0	****	0			0
DEFINITE	0	0	0	0	0	0		DEFINITE	0	0	0	****	0			0
UNKNOWN	0	0	0	0	0	0		SLOPE	-0.557	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	1.041	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM																
TOTAL	3	4	4	3	1	0	0	TOTAL	6	7	7	5	2	0	0	6
NO	3	3	4	0	1	0	0	NO	7	6	9	****	2	0	0	7
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	****	0	****	0	0	****	0
DEFINITE	0	0	0	0	0	0	0	DEFINITE	0	0	0	****	0	0	0	0
UNKNOWN	0	0	0	3	0	0	0	SLOPE	-0.551	-0.518	-0.556	******	******	******	******	-0.557
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	1.084	1.631	1.368	*****	*****	*****	*****	1.280
WOMEN AGED 45-49 AT EXAM																
TOTAL	5	4	1	1	1	1	0	TOTAL	11	9	2	2	2	2	0	3
NO	5	4	1	0	1	1	0	NO	12	10	3	****	2	2	0	3
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	0	0	****	0	0	****	0
DEFINITE	0	0	0	0	0	0	0	DEFINITE	0	0	0	****	0	0	0	0
UNKNOWN	0	0	0	1	0	0	0	SLOPE	-0.563	-0.543	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.868	1.688	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM																
TOTAL	15	8	6	3	1	1	0	TOTAL	35	18	14	7	2	2	0	5
NO	10	8	5	0	1	1	0	NO	25	20	14	****	2	2	0	5
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	0	0	****	0	0	****	0
DEFINITE	5	0	0	0	0	0	0	DEFINITE	192	0	0	****	0	0	0	0
UNKNOWN	0	0	0	3	0	0	0	SLOPE	2.463	-0.536	-0.533	******	******	******	******	-0.561
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.553	0.980	1.259	*****	*****	*****	*****	1.603

TABLE 18-B-18

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE CHARACTERISTIC: URINE ALBUMIN

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 55-59 AT EXAM																
TOTAL	15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
NO	13	14	12	0	3	2	0	NO	38	39	35	****	8	6	0	16
POSSIBLE	0	1	0	0	0	0	0	POSSIBLE	****	1000	0	****	0	0	****	0
DEFINITE	2	3	3	0	3	0	0	DEFINITE	95	300	231	****	214	0	0	57
UNKNOWN	0	0	0	9	0	0	0	SLOPE	0.725	3.426	2.430	******	5.737	******	******	1.028
NO EXAM	0	0	1	1	0	0	0	STD.ERROR	0.565	0.757	0.707	*****	1.036	*****	*****	0.892
WOMEN AGED 60-64 AT EXAM																
TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
NO	3	7	8	0	6	5	4	NO	49	38	31	****	20	16	12	39
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	****	****	0	****	0	0	0	0
DEFINITE	0	2	1	0	1	1	0	DEFINITE	0	333	143	****	67	100	0	88
UNKNOWN	0	0	0	10	0	0	0	SLOPE	-0.534	3.461	1.656	******	0.698	2.089	-0.553	0.454
NO EXAM	0	0	1	2	2	1	0	STD.ERROR	1.379	1.004	1.051	*****	0.828	1.155	1.873	0.718
WOMEN AGED 65-69 AT EXAM																
TOTAL		0	1	3	6	3	2	TOTAL				24	24	9	6	47
NO		0	1	0	5	3	1	NO				****	26	11	4	41
POSSIBLE		0	0	0	0	0	0	POSSIBLE				****	0	0	0	0
DEFINITE		0	0	0	0	0	1	DEFINITE				****	0	0	83	152
UNKNOWN		0	0	2	0	0	0	SLOPE				******	-0.641	-0.556	******	1.097
NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	1.084	1.894	*****	0.912
WOMEN AGED 70-74 AT EXAM																
TOTAL					0	1	0	TOTAL						17	0	21
NO					0	1	0	NO						25	0	29
POSSIBLE					0	0	0	POSSIBLE						0	****	0
DEFINITE					0	0	0	DEFINITE						****	0	0
UNKNOWN					0	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-19

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: URINE SUGAR

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 29-34 AT EXAM																	
	TOTAL	3	2	0					TOTAL	8	11	0					8
	NO	2	1	0					NO	5	6	0					9
	POSSIBLE	0	0	0					POSSIBLE	0	****	****					0
	DEFINITE	1	1	0					DEFINITE	333	500	****					0
	UNKNOWN	0	0	0					SLOPE	15.767	******	******					******
	NO EXAM	0	0	0					STD.ERROR	2.871	*****	*****					*****
MEN AGED 35-39 AT EXAM																	
	TOTAL	3	0	2	1	1	0		TOTAL	7	0	5	4	10			6
	NO	3	0	1	1	1	0		NO	7	0	3	4	12			3
	POSSIBLE	0	0	0	0	0	0		POSSIBLE	0	0	****	****	0			0
	DEFINITE	0	0	1	0	0	0		DEFINITE	0	0	500	0	****			1000
	UNKNOWN	0	0	0	0	0	0		SLOPE	-0.790	******	******	******	******			******
	NO EXAM	0	0	0	0	0	0		STD.ERROR	4.035	*****	*****	*****	*****			*****
MEN AGED 40-44 AT EXAM																	
	TOTAL	8	6	4	1	0	1	0	TOTAL	19	15	9	2	0	3	0	4
	NO	6	3	2	0	0	1	0	NO	15	9	5	0	0	3	0	2
	POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	0	****	0	0	0	****	0
	DEFINITE	1	0	0	0	0	0	0	DEFINITE	143	0	0	0	0	0	0	0
	UNKNOWN	1	1	0	0	0	0	0	SLOPE	2.822	-0.605	******	******	******	******	******	******
	NO EXAM	0	2	2	1	0	0	0	STD.ERROR	1.317	4.877	*****	*****	*****	*****	*****	*****
MEN AGED 45-49 AT EXAM																	
	TOTAL	9	8	8	6	5	1	0	TOTAL	25	20	20	15	12	2	0	9
	NO	9	6	6	3	4	0	0	NO	26	17	18	9	11	0	0	8
	POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	0	0	0	0	****	0	0
	DEFINITE	0	1	1	1	0	0	0	DEFINITE	0	167	250	167	0	0	0	0
	UNKNOWN	0	0	0	1	0	0	0	SLOPE	-0.783	3.531	4.824	6.702	-0.550	******	******	-0.579
	NO EXAM	0	1	1	1	1	1	0	STD.ERROR	1.347	1.435	1.649	1.905	1.758	*****	*****	2.032
MEN AGED 50-54 AT EXAM																	
	TOTAL	16	11	8	7	6	2	0	TOTAL	43	32	24	18	15	5	0	25
	NO	15	10	7	7	4	2	0	NO	43	33	26	21	12	6	0	27
	POSSIBLE	0	0	0	0	1	0	0	POSSIBLE	0	0	0	0	250	****	0	192
	DEFINITE	1	1	0	0	0	0	0	DEFINITE	125	167	0	0	0	0	0	0
	UNKNOWN	0	0	1	0	1	0	0	SLOPE	0.547	1.411	-0.575	-0.550	2.978	******	******	0.292
	NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.778	1.013	1.092	1.110	1.897	*****	*****	0.934

TABLE 18-B-19

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: URINE SUGAR

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 55-59 AT EXAM																	
	TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
	NO	16	14	8	3	2	5	3	NO	62	48	29	11	7	19	10	36
	POSSIBLE	1	0	0	0	0	0	0	POSSIBLE	125	****	0	0	****	****	0	0
	DEFINITE	0	0	1	0	0	0	0	DEFINITE	0	0	143	0	0	0	0	116
	UNKNOWN	1	0	0	0	0	0	0	SLOPE	-0.081	-0.531	1.797	-0.556	******	-0.522	-0.582	0.923
	NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.794	1.056	1.083	1.914	*****	1.322	2.720	0.859
MEN AGED 60-64 AT EXAM																	
	TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
	NO	4	9	13	7	2	1	0	NO	62	62	63	29	8	4	0	29
	POSSIBLE	0	1	0	0	0	0	0	POSSIBLE	0	1000	0	0	0	0	0	0
	DEFINITE	0	1	1	1	0	0	0	DEFINITE	0	167	143	143	0	0	0	114
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.637	1.301	0.491	1.733	******	******	******	1.255
	NO EXAM	0	0	1	1	0	1	0	STD.ERROR	1.886	0.794	0.742	1.069	*****	*****	*****	0.949
MEN AGED 65-69 AT EXAM																	
	TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
	NO		0	2	7	8	2	0	NO				85	52	12	0	64
	POSSIBLE		0	0	0	0	0	0	POSSIBLE				****	0	****	****	0
	DEFINITE		0	0	1	1	0	0	DEFINITE				143	111	0	0	0
	UNKNOWN		0	0	0	0	0	0	SLOPE				0.344	0.519	******	******	-0.539
	NO EXAM		0	1	0	0	1	0	STD.ERROR				0.682	0.739	*****	*****	0.858
MEN AGED 70-74 AT EXAM																	
	TOTAL					1	1	0	TOTAL						20	0	60
	NO					1	1	0	NO						34	0	91
	POSSIBLE					0	0	0	POSSIBLE						0	0	0
	DEFINITE					0	0	0	DEFINITE						0	0	0
	UNKNOWN					0	0	0	SLOPE						******	******	******
	NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-19

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: URINE SUGAR

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 29-34 AT EXAM																
TOTAL	0	0	0					TOTAL	0	0	0					0
NO	0	0	0					NO	0	0	0					0
POSSIBLE	0	0	0					POSSIBLE	0	****	****					0
DEFINITE	0	0	0					DEFINITE	0	0	****					0
UNKNOWN	0	0	0					SLOPE	******	******	******					******
NO EXAM	0	0	0					STD.ERROR	*****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM																
TOTAL	4	1	1	0	0	0		TOTAL	7	2	2	0	0			0
NO	4	1	1	0	0	0		NO	7	2	2	0	0			0
POSSIBLE	0	0	0	0	0	0		POSSIBLE	0	****	****	0	****			0
DEFINITE	0	0	0	0	0	0		DEFINITE	0	0	0	0	0			0
UNKNOWN	0	0	0	0	0	0		SLOPE	-0.788	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	3.999	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM																
TOTAL	3	4	4	3	1	0	0	TOTAL	6	7	7	5	2	0	0	6
NO	2	2	3	2	1	0	0	NO	4	4	7	4	2	0	0	5
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	****	****	0	****	****	****	0
DEFINITE	1	1	1	1	0	0	0	DEFINITE	250	500	1000	250	0	0	0	250
UNKNOWN	0	0	0	0	0	0	0	SLOPE	19.550	48.859	76.167	20.230	******	******	******	17.824
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	3.175	4.973	6.198	3.228	*****	*****	*****	3.030
WOMEN AGED 45-49 AT EXAM																
TOTAL	5	4	1	1	1	1	0	TOTAL	11	9	2	2	2	2	0	3
NO	5	3	1	1	1	1	0	NO	12	7	2	2	2	2	0	2
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	****	****	0	0	0	****	0
DEFINITE	0	1	0	0	0	0	0	DEFINITE	0	333	0	0	0	0	0	238
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.665	18.700	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	1.807	3.102	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM																
TOTAL	15	8	6	3	1	1	0	TOTAL	35	18	14	7	2	2	0	5
NO	15	8	5	3	1	1	0	NO	36	19	14	8	2	2	0	5
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	****	0	0	0	0	0	0
DEFINITE	0	0	0	0	0	0	0	DEFINITE	0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.581	-0.512	-0.534	-0.546	******	******	******	-0.538
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	1.282	1.825	1.746	2.136	*****	*****	*****	2.776

TABLE 18-B-19

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: URINE SUGAR

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 55-59 AT EXAM																	
TOTAL		15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
NO		13	17	14	9	6	2	0	NO	37	47	40	24	16	5	0	18
POSSIBLE		1	0	0	0	0	0	0	POSSIBLE	250	0	****	0	0	0	0	0
DEFINITE		1	1	1	0	0	0	0	DEFINITE	111	143	143	0	0	0	0	0
UNKNOWN		0	0	0	0	0	0	0	SLOPE	1.373	0.973	1.277	-0.617	-0.555	******	******	-0.546
NO EXAM		0	0	1	1	0	0	0	STD.ERROR	0.810	0.874	0.951	2.082	1.599	*****	*****	1.364
WOMEN AGED 60-64 AT EXAM																	
TOTAL		3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
NO		3	7	7	9	6	6	4	NO	48	38	26	28	19	18	11	38
POSSIBLE		0	1	0	0	0	0	0	POSSIBLE	0	500	****	0	0	0	0	0
DEFINITE		0	1	2	1	1	0	0	DEFINITE	****	250	400	200	143	0	0	0
UNKNOWN		0	0	0	0	0	0	0	SLOPE	-1.033	3.331	6.246	2.751	2.865	-0.544	-0.540	-0.542
NO EXAM		0	0	1	2	2	1	0	STD.ERROR	4.695	1.148	1.305	1.286	1.306	1.831	2.310	1.055
WOMEN AGED 65-69 AT EXAM																	
TOTAL			0	1	3	6	3	2	TOTAL				24	24	9	6	47
NO			0	1	2	4	2	2	NO				19	20	7	7	46
POSSIBLE			0	0	0	0	0	0	POSSIBLE				****	0	****	0	0
DEFINITE			0	0	0	1	1	0	DEFINITE				0	333	200	0	357
UNKNOWN			0	0	0	0	0	0	SLOPE				******	5.096	9.367	******	2.823
NO EXAM			0	0	1	1	0	0	STD.ERROR				*****	1.700	2.226	*****	1.300
WOMEN AGED 70-74 AT EXAM																	
TOTAL						0	1	0	TOTAL						17	0	21
NO						0	1	0	NO						24	0	28
POSSIBLE						0	0	0	POSSIBLE						****	****	*****
DEFINITE						0	0	0	DEFINITE						****	0	0
UNKNOWN						0	0	0	SLOPE						******	******	******
NO EXAM						0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-20

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: GENERALIZED CARDIAC ENLARGEMENT BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 29-34 AT EXAM															
TOTAL	3	2	0					TOTAL 8	11	0					8
NO	2	2	0					NO 5	12	0					0
POSSIBLE	0	0	0					POSSIBLE 0	****	****					0
DEFINITE	1	0	0					DEFINITE 200	0	****					714
UNKNOWN	0	0	0					SLOPE 9.305	******	******					******
NO EXAM	0	0	0					STD.ERROR 2.236	*****	*****					*****
MEN AGED 35-39 AT EXAM															
TOTAL	3	0	2	1	1	0		TOTAL 7	0	5	4	10			6
NO	1	0	1	1	1	0		NO 2	0	3	4	12			6
POSSIBLE	0	0	1	0	0	0		POSSIBLE 0	0	143	****	0			0
DEFINITE	2	0	0	0	0	0		DEFINITE 250	0	0	0	0			0
UNKNOWN	0	0	0	0	0	0		SLOPE 20.292	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR 2.288	*****	*****	*****	*****			*****
MEN AGED 40-44 AT EXAM															
TOTAL	8	6	4	1	0	1	0	TOTAL 19	15	9	2	0	3	0	4
NO	8	4	2	0	0	1	0	NO 20	11	5	0	0	3	0	4
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE 0	0	0	0	0	0	0	0
DEFINITE	0	0	0	0	0	0	0	DEFINITE 0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE -0.692	-0.600	******	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	STD.ERROR 1.255	1.959	*****	*****	*****	*****	*****	*****
MEN AGED 45-49 AT EXAM															
TOTAL	9	8	8	6	5	1	0	TOTAL 25	20	20	15	12	2	0	9
NO	8	5	6	5	4	0	0	NO 24	14	18	15	12	0	0	8
POSSIBLE	0	1	0	0	0	0	0	POSSIBLE 0	143	0	0	0	0	0	0
DEFINITE	1	1	0	0	0	0	0	DEFINITE 100	91	0	0	0	0	0	0
UNKNOWN	0	0	1	0	0	0	0	SLOPE 1.188	2.745	-0.669	-0.862	-0.748	******	******	-0.664
NO EXAM	0	1	1	1	1	1	0	STD.ERROR 0.950	1.058	1.857	2.442	1.840	*****	*****	1.527
MEN AGED 50-54 AT EXAM															
TOTAL	16	11	8	7	6	2	0	TOTAL 43	32	24	18	15	5	0	25
NO	12	11	7	6	5	1	0	NO 35	36	26	18	15	3	0	23
POSSIBLE	2	0	0	1	0	0	0	POSSIBLE 167	0	0	200	0	0	0	70
DEFINITE	2	0	1	0	1	1	0	DEFINITE 133	0	167	0	77	67	0	137
UNKNOWN	0	0	0	0	0	0	0	SLOPE 1.516	-0.624	1.931	0.813	1.242	******	******	2.006
NO EXAM	0	0	0	0	0	0	0	STD.ERROR 0.602	1.030	1.131	1.187	0.978	*****	*****	0.727

TABLE 18-B-20

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: GENERALIZED CARDIAC ENLARGEMENT BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 55-59 AT EXAM																	
	TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
	NO	13	12	9	2	1	4	2	NO	53	44	33	8	4	16	7	24
	POSSIBLE	0	0	0	0	0	0	0	POSSIBLE	0	0	0	0	0	0	0	0
	DEFINITE	5	2	0	1	1	1	1	DEFINITE	278	118	0	200	71	100	53	333
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	1.565	0.727	-0.644	6.551	******	1.532	1.944	3.498
	NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.475	0.575	0.991	1.904	*****	1.056	1.140	0.587
MEN AGED 60-64 AT EXAM																	
	TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
	NO	4	10	13	7	1	1	0	NO	62	68	66	30	4	4	0	30
	POSSIBLE	0	1	0	0	1	0	0	POSSIBLE	****	167	0	0	59	0	0	0
	DEFINITE	0	0	1	1	0	0	0	DEFINITE	0	0	67	71	0	0	0	71
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.541	0.130	-0.057	0.530	******	******	******	0.380
	NO EXAM	0	0	1	1	0	1	0	STD.ERROR	1.238	0.937	0.528	0.751	*****	*****	*****	0.718
MEN AGED 65-69 AT EXAM																	
	TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
	NO		0	2	7	6	1	0	NO				85	41	6	0	59
	POSSIBLE		0	0	0	1	0	0	POSSIBLE				0	100	0	0	0
	DEFINITE		0	0	1	2	1	0	DEFINITE				500	250	67	0	114
	UNKNOWN		0	0	0	0	0	0	SLOPE				1.196	1.856	******	******	0.214
	NO EXAM		0	1	0	0	1	0	STD.ERROR				1.002	0.722	*****	*****	0.666
MEN AGED 70-74 AT EXAM																	
	TOTAL					1	1	0	TOTAL						20	0	60
	NO					1	1	0	NO						33	0	93
	POSSIBLE					0	0	0	POSSIBLE						0	0	0
	DEFINITE					0	0	0	DEFINITE						0	0	0
	UNKNOWN					0	0	0	SLOPE						******	******	******
	NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-20

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: GENERALIZED CARDIAC ENLARGEMENT BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 29-34 AT EXAM															
TOTAL	0	0	0					TOTAL 0	0	0					0
NO	0	0	0					NO 0	0	0					0
POSSIBLE	0	0	0					POSSIBLE 0	0	****					0
DEFINITE	0	0	0					DEFINITE 0	0	****					0
UNKNOWN	0	0	0					SLOPE ******	******	******					******
NO EXAM	0	0	0					STD.ERROR *****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM															
TOTAL	4	1	1	0	0	0		TOTAL 7	2	2	0	0			0
NO	4	1	1	0	0	0		NO 7	2	2	0	0			0
POSSIBLE	0	0	0	0	0	0		POSSIBLE 0	0	0	0	0			0
DEFINITE	0	0	0	0	0	0		DEFINITE 0	0	0	0	****			0
UNKNOWN	0	0	0	0	0	0		SLOPE -0.671	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR 1.273	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM															
TOTAL	3	4	4	3	1	0	0	TOTAL 6	7	7	5	2	0	0	6
NO	2	1	1	2	0	0	0	NO 4	2	2	4	0	0	0	2
POSSIBLE	0	0	1	0	1	0	0	POSSIBLE 0	0	91	0	71	0	0	62
DEFINITE	1	2	2	1	0	0	0	DEFINITE 40	133	222	100	0	0	0	135
UNKNOWN	0	0	0	0	0	0	0	SLOPE 2.330	10.423	14.410	8.106	******	******	******	10.325
NO EXAM	0	1	0	0	0	0	0	STD.ERROR 1.224	1.663	1.740	2.082	*****	*****	*****	1.481
WOMEN AGED 45-49 AT EXAM															
TOTAL	5	4	1	1	1	1	0	TOTAL 11	9	2	2	2	2	0	3
NO	1	3	0	0	0	0	0	NO 3	8	0	0	0	0	0	2
POSSIBLE	2	0	0	0	0	0	0	POSSIBLE 83	0	0	0	0	0	0	0
DEFINITE	2	1	1	1	1	1	0	DEFINITE 67	48	111	100	67	71	0	43
UNKNOWN	0	0	0	0	0	0	0	SLOPE 3.684	1.676	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR 0.854	1.077	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM															
TOTAL	15	8	6	3	1	1	0	TOTAL 35	18	14	7	2	2	0	5
NO	13	4	2	1	0	0	0	NO 39	11	6	3	0	0	0	2
POSSIBLE	0	1	0	0	0	0	0	POSSIBLE 0	67	0	0	0	0	0	0
DEFINITE	2	3	3	2	1	1	0	DEFINITE 38	107	214	111	38	48	0	55
UNKNOWN	0	0	0	0	0	0	0	SLOPE -0.152	2.712	7.328	6.268	******	******	******	4.303
NO EXAM	0	0	1	0	0	0	0	STD.ERROR 0.382	0.693	1.156	1.318	*****	*****	*****	1.115

TABLE 18-B-20

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: GENERALIZED CARDIAC ENLARGEMENT BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 55-59 AT EXAM															
TOTAL	15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
NO	6	12	10	7	3	0	0	NO	22	37	32	21	9	0	0	0
POSSIBLE	1	0	1	0	0	0	0	POSSIBLE	36	0	40	0	0	0	0	0
DEFINITE	8	6	4	2	3	2	0	DEFINITE	129	167	190	91	120	100	0	205
UNKNOWN	0	0	0	0	0	0	0	SLOPE	1.340	1.268	1.642	1.003	2.559	******	******	5.155
NO EXAM	0	0	1	1	0	0	0	STD.ERROR	0.352	0.402	0.515	0.654	0.748	*****	*****	0.571
WOMEN AGED 60-64 AT EXAM															
TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
NO	3	6	8	5	7	6	1	NO	52	35	34	18	26	23	4	29
POSSIBLE	0	0	1	2	0	0	1	POSSIBLE	0	0	53	105	0	0	25	33
DEFINITE	0	3	0	3	0	0	2	DEFINITE	0	176	0	103	0	0	44	108
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.588	1.520	-0.333	1.692	-0.732	-0.764	1.918	0.938
NO EXAM	0	0	1	2	2	1	0	STD.ERROR	1.068	0.598	0.611	0.546	0.611	0.611	0.733	0.427
WOMEN AGED 65-69 AT EXAM															
TOTAL		0	1	3	6	3	2	TOTAL				24	24	9	6	47
NO		0	1	1	3	1	1	NO				11	19	5	5	38
POSSIBLE		0	0	0	0	0	0	POSSIBLE				0	0	0	0	0
DEFINITE		0	0	1	2	2	1	DEFINITE				111	48	34	19	120
UNKNOWN		0	0	0	0	0	0	SLOPE				******	0.531	1.222	******	0.724
NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	0.563	0.710	*****	0.428
WOMEN AGED 70-74 AT EXAM															
TOTAL					0	1	0	TOTAL						17	0	21
NO					0	0	0	NO						0	0	0
POSSIBLE					0	0	0	POSSIBLE						0	0	0
DEFINITE					0	0	0	DEFINITE						0	0	0
UNKNOWN					0	1	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-21

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEART ENLARGEMENT BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	
MEN AGED 29-34 AT EXAM															
TOTAL	3	2	0					8	11	0					8
NO	1	1	0					3	6	0					0
POSSIBLE	1	1	0					67	143	0					0
DEFINITE	1	0	0					45	0	****					208
UNKNOWN	0	0	0					SLOPE	3.601	******	******				******
NO EXAM	0	0	0					STD.ERROR	1.190	*****	*****				*****
MEN AGED 35-39 AT EXAM															
TOTAL	3	0	2	1	1	0		7	0	5	4	10			6
NO	1	0	1	1	1	0		2	0	3	4	12			7
POSSIBLE	0	0	1	0	0	0		0	0	53	0	0			0
DEFINITE	2	0	0	0	0	0		91	0	0	0	0			0
UNKNOWN	0	0	0	0	0	0		SLOPE	6.104	******	******	******	******		******
NO EXAM	0	0	0	0	0	0		STD.ERROR	1.297	*****	*****	*****	*****		*****
MEN AGED 40-44 AT EXAM															
TOTAL	8	6	4	1	0	1	0	19	15	9	2	0	3	0	4
NO	7	2	2	0	0	1	0	19	6	6	0	0	4	0	2
POSSIBLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEFINITE	1	2	0	0	0	0	0	24	87	0	0	0	0	0	41
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.037	3.117	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.577	0.973	*****	*****	*****	*****	*****
MEN AGED 45-49 AT EXAM															
TOTAL	9	8	8	6	5	1	0	25	20	20	15	12	2	0	9
NO	4	5	4	3	1	0	0	14	15	13	9	3	0	0	2
POSSIBLE	0	1	0	1	1	0	0	0	50	0	53	36	0	0	30
DEFINITE	5	1	2	1	2	0	0	83	45	118	200	100	0	0	59
UNKNOWN	0	0	1	0	0	0	0	SLOPE	1.372	0.994	2.421	5.116	4.265	******	3.674
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.452	0.745	0.879	1.408	1.002	*****	0.933
MEN AGED 50-54 AT EXAM															
TOTAL	16	11	8	7	6	2	0	43	32	24	18	15	5	0	25
NO	9	7	6	6	2	1	0	31	26	26	19	7	3	0	18
POSSIBLE	2	1	1	1	0	0	0	154	53	43	59	0	0	0	28
DEFINITE	5	3	1	0	4	1	0	78	107	50	0	167	37	0	122
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.663	1.176	0.472	0.008	3.901	******	1.652
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.336	0.517	0.632	0.824	0.765	*****	0.462

TABLE 18-B-21

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEART ENLARGEMENT BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	
MEN AGED 55-59 AT EXAM																
TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
NO	10	10	9	2	1	2	2	NO	50	44	38	8	5	10	9	23
POSSIBLE	1	1	0	0	0	1	0	POSSIBLE	62	37	0	0	0	26	0	24
DEFINITE	7	3	0	1	1	2	1	DEFINITE	117	75	0	56	29	67	23	140
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.535	0.289	-0.740	1.533	******	1.447	0.499	1.374
NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.295	0.386	0.558	1.064	*****	0.675	0.807	0.376
MEN AGED 60-64 AT EXAM																
TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
NO	3	8	7	6	1	0	0	NO	62	68	40	30	5	0	0	18
POSSIBLE	0	1	2	0	1	1	0	POSSIBLE	0	59	118	0	33	28	0	62
DEFINITE	1	2	5	2	0	0	0	DEFINITE	53	100	208	69	0	0	0	76
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.094	0.188	1.433	0.418	******	******	******	1.007
NO EXAM	0	0	1	1	0	1	0	STD.ERROR	0.567	0.444	0.429	0.534	*****	*****	*****	0.470
MEN AGED 65-69 AT EXAM																
TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
NO		0	2	4	2	0	0	NO				60	19	0	0	23
POSSIBLE		0	0	0	2	0	0	POSSIBLE				0	71	0	0	45
DEFINITE		0	0	4	5	2	0	DEFINITE				364	179	53	0	200
UNKNOWN		0	0	0	0	0	0	SLOPE				1.531	1.543	******	******	1.390
NO EXAM		0	1	0	0	1	0	STD.ERROR				0.552	0.458	*****	*****	0.454
MEN AGED 70-74 AT EXAM																
TOTAL					1	1	0	TOTAL						20	0	60
NO					0	1	0	NO						56	0	77
POSSIBLE					0	0	0	POSSIBLE						0	0	0
DEFINITE					1	0	0	DEFINITE						0	0	156
UNKNOWN					0	0	0	SLOPE						******	******	******
NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-21

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEART ENLARGEMENT BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER 1	2	3	4	5	6	7		EXAM NUMBER 1	2	3	4	5	6	7	RATE PER 10000
WOMEN AGED 29-34 AT EXAM																
TOTAL	0	0	0					TOTAL	0	0	0					0
NO	0	0	0					NO	0	0	0					0
POSSIBLE	0	0	0					POSSIBLE	0	0	****					0
DEFINITE	0	0	0					DEFINITE	0	0	****					0
UNKNOWN	0	0	0					SLOPE	******	******	******					******
NO EXAM	0	0	0					STD.ERROR	*****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM																
TOTAL	4	1	1	0	0	0		TOTAL	7	2	2	0	0			0
NO	4	1	1	0	0	0		NO	8	2	2	0	0			0
POSSIBLE	0	0	0	0	0	0		POSSIBLE	0	0	0	0	0			0
DEFINITE	0	0	0	0	0	0		DEFINITE	0	0	0	0	****			0
UNKNOWN	0	0	0	0	0	0		SLOPE	-0.645	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR	1.020	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM																
TOTAL	3	4	4	3	1	0	0	TOTAL	6	7	7	5	2	0	0	6
NO	2	1	1	2	0	0	0	NO	5	2	2	4	0	0	0	2
POSSIBLE	0	0	1	0	1	0	0	POSSIBLE	0	0	48	0	48	0	0	41
DEFINITE	1	2	2	1	0	0	0	DEFINITE	20	48	154	56	0	0	0	65
UNKNOWN	0	0	0	0	0	0	0	SLOPE	1.062	3.539	8.752	4.300	******	******	******	5.093
NO EXAM	0	1	0	0	0	0	0	STD.ERROR	0.929	1.022	1.378	1.559	*****	*****	*****	1.071
WOMEN AGED 45-49 AT EXAM																
TOTAL	5	4	1	1	1	1	0	TOTAL	11	9	2	2	2	2	0	3
NO	1	2	0	0	0	0	0	NO	3	6	0	0	0	0	0	2
POSSIBLE	1	0	0	0	0	0	0	POSSIBLE	32	0	0	0	0	0	0	0
DEFINITE	3	2	1	1	1	1	0	DEFINITE	46	43	48	56	45	43	0	22
UNKNOWN	0	0	0	0	0	0	0	SLOPE	2.046	1.649	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.628	0.768	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM																
TOTAL	15	8	6	3	1	1	0	TOTAL	35	18	14	7	2	2	0	5
NO	11	3	1	1	0	0	0	NO	39	10	3	3	0	0	0	2
POSSIBLE	1	2	0	0	0	0	0	POSSIBLE	33	53	0	0	0	0	0	0
DEFINITE	3	3	4	2	1	1	0	DEFINITE	27	35	91	65	22	24	0	24
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.182	0.775	2.937	3.154	******	******	******	1.839
NO EXAM	0	0	1	0	0	0	0	STD.ERROR	0.299	0.440	0.681	0.992	*****	*****	*****	0.805

TABLE 18-B-21

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: HEART ENLARGEMENT BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
	EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	
WOMEN AGED 55-59 AT EXAM																	
	TOTAL	15	18	16	10	6	2	0	TOTAL	40	45	39	24	14	5	0	15
	NO	5	3	6	4	1	0	0	NO	23	14	25	15	4	0	0	0
	POSSIBLE	1	2	3	2	1	0	0	POSSIBLE	33	36	49	32	11	0	0	0
	DEFINITE	9	13	6	3	4	2	0	DEFINITE	73	134	98	70	74	38	0	91
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.625	1.326	0.878	1.103	1.976	******	******	2.387
	NO EXAM	0	0	1	1	0	0	0	STD.ERROR	0.286	0.288	0.346	0.497	0.574	*****	*****	0.426
WOMEN AGED 60-64 AT EXAM																	
	TOTAL	3	9	10	12	9	7	4	TOTAL	46	43	31	31	24	18	10	37
	NO	2	5	1	3	4	3	0	NO	51	41	6	14	21	17	0	9
	POSSIBLE	0	0	3	3	1	0	2	POSSIBLE	0	0	70	59	16	0	26	60
	DEFINITE	1	4	5	4	2	3	2	DEFINITE	48	83	94	69	27	35	22	93
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.062	0.390	1.503	1.035	0.106	0.400	1.107	1.167
	NO EXAM	0	0	1	2	2	1	0	STD.ERROR	0.628	0.396	0.432	0.417	0.462	0.491	0.598	0.324
WOMEN AGED 65-69 AT EXAM																	
	TOTAL		0	1	3	6	3	2	TOTAL				24	24	9	6	47
	NO		0	1	0	2	1	0	NO				0	19	8	0	34
	POSSIBLE		0	0	0	1	0	0	POSSIBLE				0	24	0	0	28
	DEFINITE		0	0	2	2	2	2	DEFINITE				91	30	19	21	85
	UNKNOWN		0	0	0	0	0	0	SLOPE				******	0.228	0.493	******	0.491
	NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	0.513	0.649	*****	0.380
WOMEN AGED 70-74 AT EXAM																	
	TOTAL					0	1	0	TOTAL						17	0	21
	NO					0	0	0	NO						0	0	0
	POSSIBLE					0	0	0	POSSIBLE						0	0	0
	DEFINITE					0	0	0	DEFINITE						0	0	0
	UNKNOWN					0	1	0	SLOPE						******	******	******
	NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-22

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: LEFT VENTRICULAR HYPERTROPHY BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	
MEN AGED 29-34 AT EXAM															
TOTAL	3	2	0					8	11	0					8
NO	1	1	0					3	6	0					0
POSSIBLE	1	1	0					91	143	0					0
DEFINITE	1	0	0					53	****	****					263
UNKNOWN	0	0	0					SLOPE	4.341	******	******				******
NO EXAM	0	0	0					STD.ERROR	1.287	*****	*****				*****
MEN AGED 35-39 AT EXAM															
TOTAL	3	0	2	1	1	0		7	0	5	4	10			6
NO	2	0	2	1	1	0		5	0	5	4	11			6
POSSIBLE	0	0	0	0	0	0		0	0	0	0	****			0
DEFINITE	1	0	0	0	0	0		56	0	0	0	0			0
UNKNOWN	0	0	0	0	0	0		SLOPE	3.268	******	******	******	******		******
NO EXAM	0	0	0	0	0	0		STD.ERROR	1.392	*****	*****	*****	*****		*****
MEN AGED 40-44 AT EXAM															
TOTAL	8	6	4	1	0	1	0	19	15	9	2	0	3	0	4
NO	7	2	2	0	0	1	0	19	6	5	0	0	3	0	2
POSSIBLE	0	0	0	0	0	0	0	0	0	0	0	0	0	0	0
DEFINITE	1	2	0	0	0	0	0	26	95	0	0	0	0	****	62
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.108	3.558	******	******	******	******	******
NO EXAM	0	2	2	1	0	0	0	STD.ERROR	0.599	1.025	*****	*****	*****	*****	*****
MEN AGED 45-49 AT EXAM															
TOTAL	9	8	8	6	5	1	0	25	20	20	15	12	2	0	9
NO	4	6	4	3	1	0	0	14	18	13	9	3	0	0	2
POSSIBLE	0	0	0	1	1	0	0	0	0	0	83	62	0	0	54
DEFINITE	5	1	2	1	2	0	0	86	67	143	250	125	0	0	78
UNKNOWN	0	0	1	0	0	0	0	SLOPE	1.463	0.938	3.189	7.465	5.931	******	******	5.192
NO EXAM	0	1	1	1	1	1	0	STD.ERROR	0.460	0.889	0.979	1.659	1.152	*****	*****	1.079
MEN AGED 50-54 AT EXAM															
TOTAL	16	11	8	7	6	2	0	43	32	24	18	15	5	0	25
NO	10	7	6	7	3	2	0	34	25	25	22	9	6	0	17
POSSIBLE	3	1	1	0	0	0	0	273	71	56	0	0	0	0	128
DEFINITE	3	3	1	0	3	0	0	50	115	67	0	250	0	0	98
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.391	1.373	0.824	-0.663	5.862	******	******	1.851
NO EXAM	0	0	0	0	0	0	0	STD.ERROR	0.343	0.540	0.714	1.013	1.048	*****	*****	0.528

TABLE 18-B-22

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM,
BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: LEFT VENTRICULAR HYPERTROPHY BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM								INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL
	EXAM NUMBER	1	2	3	4	5	6	7	EXAM NUMBER	1	2	3	4	5	6	7	RATE PER 10000
MEN AGED 55-59 AT EXAM																	
	TOTAL	18	15	10	3	2	5	3	TOTAL	65	47	30	9	6	16	8	36
	NO	11	10	9	3	2	3	3	NO	52	41	36	12	8	13	11	30
	POSSIBLE	1	1	0	0	0	1	0	POSSIBLE	83	38	0	0	0	40	0	34
	DEFINITE	6	3	0	0	0	1	0	DEFINITE	111	103	0	0	0	50	0	110
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.484	0.568	-0.701	-0.680	******	1.118	-0.728	0.941
	NO EXAM	0	1	1	0	0	0	0	STD.ERROR	0.306	0.433	0.627	1.198	*****	0.787	0.998	0.426
MEN AGED 60-64 AT EXAM																	
	TOTAL	4	11	15	9	2	2	0	TOTAL	58	64	60	33	7	6	0	33
	NO	3	8	7	7	2	0	0	NO	61	66	36	32	9	0	0	20
	POSSIBLE	0	1	2	0	0	1	0	POSSIBLE	0	71	154	0	0	40	0	100
	DEFINITE	1	2	5	1	0	0	0	DEFINITE	56	105	500	59	0	0	0	72
	UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.059	0.271	3.977	0.170	******	******	******	1.084
	NO EXAM	0	0	1	1	0	1	0	STD.ERROR	0.576	0.455	0.635	0.657	*****	*****	*****	0.543
MEN AGED 65-69 AT EXAM																	
	TOTAL		0	3	8	9	3	0	TOTAL				75	47	14	0	58
	NO		0	2	5	4	1	0	NO				68	32	7	0	29
	POSSIBLE		0	0	0	1	0	0	POSSIBLE				0	56	0	0	71
	DEFINITE		0	0	3	4	1	0	DEFINITE				333	190	43	0	244
	UNKNOWN		0	0	0	0	0	0	SLOPE				1.371	1.415	******	******	1.699
	NO EXAM		0	1	0	0	1	0	STD.ERROR				0.597	0.499	*****	*****	0.522
MEN AGED 70-74 AT EXAM																	
	TOTAL					1	1	0	TOTAL						20	0	60
	NO					0	1	0	NO						43	0	60
	POSSIBLE					0	0	0	POSSIBLE						0	0	0
	DEFINITE					1	0	0	DEFINITE						0	0	208
	UNKNOWN					0	0	0	SLOPE						******	******	******
	NO EXAM					0	0	0	STD.ERROR						*****	*****	*****

TABLE 18-B-22

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: LEFT VENTRICULAR HYPERTROPHY BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
	EXAM NUMBER 1	2	3	4	5	6	7	EXAM NUMBER 1	2	3	4	5	6	7	
WOMEN AGED 29-34 AT EXAM															
TOTAL	0	0	0					TOTAL 0	0	0					0
NO	0	0	0					NO 0	0	0					0
POSSIBLE	0	0	0					POSSIBLE 0	****	****					0
DEFINITE	0	0	0					DEFINITE 0	0	****					0
UNKNOWN	0	0	0					SLOPE ******	******	******					******
NO EXAM	0	0	0					STD.ERROR *****	*****	*****					*****
WOMEN AGED 35-39 AT EXAM															
TOTAL	4	1	1	0	0	0		TOTAL 7	2	2	0	0			0
NO	4	1	1	0	0	0		NO 7	2	2	0	0			0
POSSIBLE	0	0	0	0	0	0		POSSIBLE 0	0	0	0	****			0
DEFINITE	0	0	0	0	0	0		DEFINITE 0	0	0	0	****			0
UNKNOWN	0	0	0	0	0	0		SLOPE -0.602	******	******	******	******			******
NO EXAM	0	0	0	0	0	0		STD.ERROR 1.187	*****	*****	*****	*****			*****
WOMEN AGED 40-44 AT EXAM															
TOTAL	3	4	4	3	1	0	0	TOTAL 6	7	7	5	2	0	0	6
NO	3	3	4	3	1	0	0	NO 7	6	9	6	2	0	0	7
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE 0	0	0	0	0	0	0	0
DEFINITE	0	0	0	0	0	0	0	DEFINITE 0	0	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE -0.626	-0.588	-0.670	-0.540	******	******	******	-0.591
NO EXAM	0	1	0	0	0	0	0	STD.ERROR 1.018	1.200	1.906	2.303	*****	*****	*****	1.328
WOMEN AGED 45-49 AT EXAM															
TOTAL	5	4	1	1	1	1	0	TOTAL 11	9	2	2	2	2	0	3
NO	3	3	1	1	1	1	0	NO 8	8	3	2	2	2	0	3
POSSIBLE	0	0	0	0	0	0	0	POSSIBLE 0	0	0	0	0	0	0	0
DEFINITE	2	1	0	0	0	0	0	DEFINITE 35	32	0	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE 1.076	1.004	******	******	******	******	******	******
NO EXAM	0	0	0	0	0	0	0	STD.ERROR 0.658	0.911	*****	*****	*****	*****	*****	*****
WOMEN AGED 50-54 AT EXAM															
TOTAL	15	8	6	3	1	1	0	TOTAL 35	18	14	7	2	2	0	5
NO	12	6	4	3	1	1	0	NO 38	18	13	8	3	3	0	6
POSSIBLE	1	2	0	0	0	0	0	POSSIBLE 59	77	0	0	0	0	0	0
DEFINITE	2	0	1	0	0	0	0	DEFINITE 22	0	31	0	0	0	0	0
UNKNOWN	0	0	0	0	0	0	0	SLOPE -0.217	-0.233	0.454	-0.744	******	******	******	-0.663
NO EXAM	0	0	1	0	0	0	0	STD.ERROR 0.317	0.481	0.756	1.362	*****	*****	*****	0.949

TABLE 18-B-22

INCIDENCE OF EVENT IN INTERVAL AFTER EXAM AND AVERAGE ANNUAL INCIDENCE RATE PER 10,000 POPULATION AT RISK AT EXAM, BY SEX, AGE, AND LEVEL OF CHARACTERISTIC AT EXAM: FRAMINGHAM STUDY, 14-YEAR FOLLOW-UP

EVENT: CONGESTIVE HEART FAILURE

CHARACTERISTIC: LEFT VENTRICULAR HYPERTROPHY BY X-RAY

	INCIDENCE IN INTERVAL AFTER EXAM							INCIDENCE RATE PER 1,000 IN INTERVAL AFTER EXAM							AVERAGE ANNUAL RATE PER 10000
EXAM NUMBER	1	2	3	4	5	6	7	1	2	3	4	5	6	7	
WOMEN AGED 55-59 AT EXAM															
TOTAL	15	18	16	10	6	2	0	40	45	39	24	14	5	0	15
NO	8	8	11	6	4	2	0	34	31	39	19	13	6	0	17
POSSIBLE	0	2	2	2	1	0	0	0	47	54	54	23	0	0	0
DEFINITE	7	8	2	1	1	0	0	65	110	50	45	33	0	0	30
UNKNOWN	0	0	0	0	0	0	0	SLOPE	0.366	0.823	0.174	0.835	0.676	******	******	0.205
NO EXAM	0	0	1	1	0	0	0	STD.ERROR	0.292	0.304	0.396	0.633	0.695	*****	*****	0.482
WOMEN AGED 60-64 AT EXAM															
TOTAL	3	9	10	12	9	7	4	46	43	31	31	24	18	10	37
NO	2	7	2	7	4	3	3	50	51	10	26	16	12	11	21
POSSIBLE	0	1	2	1	1	0	1	0	50	80	31	30	0	26	79
DEFINITE	1	1	5	2	2	3	0	50	29	135	62	45	65	0	95
UNKNOWN	0	0	0	0	0	0	0	SLOPE	-0.025	-0.233	2.102	0.541	0.704	1.250	-0.247	1.081
NO EXAM	0	0	1	2	2	1	0	STD.ERROR	0.635	0.433	0.491	0.508	0.539	0.581	0.707	0.375
WOMEN AGED 65-69 AT EXAM															
TOTAL		0	1	3	6	3	2				24	24	9	6	47
NO		0	1	1	3	2	1				12	19	10	5	45
POSSIBLE		0	0	0	1	0	0				0	37	0	0	49
DEFINITE		0	0	1	1	1	1				77	34	21	24	74
UNKNOWN		0	0	0	0	0	0	SLOPE				******	0.399	0.381	******	0.267
NO EXAM		0	0	1	1	0	0	STD.ERROR				*****	0.630	0.754	*****	0.455
WOMEN AGED 70-74 AT EXAM															
TOTAL					0	1	0						17	0	21
NO					0	0	0						0	0	0
POSSIBLE					0	0	0						0	0	0
DEFINITE					0	0	0						0	0	0
UNKNOWN					0	1	0	SLOPE					******	******	******
NO EXAM					0	0	0	STD.ERROR					*****	*****	*****

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